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acaagagcag	gtggcagcag	gggaacgtct	tctcatgctc	cgtgatgcat	gaggctctgc	660
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<210> 2

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<221> Site

<222> (3)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2

Trp Ser Xaa Trp Ser

1

5

<210> 3

<211> 86

<212> DNA

<213> Homo sapiens

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60

86

<210> 4

<211> 27

<212> DNA

<213> Homo sapiens

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27

<210> 5

<211> 271

<212> DNA

<213> Homo sapiens

<400> 5

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 gccccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt
 ttttgagggc ctaggctttt gcaaaaagct t

60

120

180

240

271

<210> 6

<211> 32

<212> DNA

<213> Homo sapiens

<400> 6
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32

<210> 7
<211> 31
<212> DNA
<213> Homo sapiens

<400> 7
gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 8
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
ggggactttc cc

12

<210> 9
<211> 73
<212> DNA
<213> Homo sapiens

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ccatctcaat tag

60

73

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<211> 256
<212> DNA
<213> Homo sapiens

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga
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60

120

180

240

256

<210> 11
<211> 1169
<212> DNA
<213> Homo sapiens

<220>
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<222> (1151)
<223> n equals a,t,g, or c

<220>
<221> SITE

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acaaccacta	cacgcagaag	agcctctccc	tgtctccggg	taaatagagt	cgacggccgc	720
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<210> 2

<211> 5

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2

Trp Ser Xaa Trp Ser

1

5

<210> 3

<211> 86

<212> DNA

<213> Homo sapiens

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86

<210> 4

<211> 27

<212> DNA

<213> Homo sapiens

<400> 4.

gcggcaagct ttttgcaaag cctaggc

27

<210> 5

<211> 271

<212> DNA

<213> Homo sapiens

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ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg
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120

180

240

271

<210> 6

<211> 32

<212> DNA

<213> Homo sapiens

<400> 6
gcgctcgagg gatgacagcg atagaacccc gg

32

<210> 7
<211> 31
<212> DNA
<213> Homo sapiens

<400> 7
gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 8
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
ggggactttc cc

12

<210> 9
<211> 73
<212> DNA
<213> Homo sapiens

<400> 9
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ccatctcaat tag

60

73

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<211> 256
<212> DNA
<213> Homo sapiens

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga
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60

120

180

240

256

<210> 11
<211> 1169
<212> DNA
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<220>
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<223> n equals a,t,g, or c

<220>
<221> SITE

<222> (1160)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1168)

<223> n equals a,t,g, or c

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cctatcagtg	ggaatacccg	tatttgctga	gcattttgccc	ctctctcttg	ggccttctct	360
cctttccccc	caacaacatt	agctacctgg	tgctctccat	gatcagcatg	ggactctttt	420
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<211> 1310

<212> DNA

<213> Homo sapiens

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1310

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<222> (7)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (133)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (968)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (1139)
<223> n equals a,t,g, or c
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<210> 14
<211> 2271
<212> DNA
<213> Homo sapiens
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<211> 626

<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (22)

<223> n equals a,t,g, or c

<220>

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<222> (591)

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<212> DNA

<213> Homo sapiens

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agctactggc	tcaaattcag	gttctggcgt	caaatagcga	catttccagt	ttctcttaaa	1200
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gtgtaaacag	tagacaccca	gaaatcgtga	cttctgtgtt	ctctccattt	gagtattttg	2040
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aaaaaaaaactg	gagactag					2118

<210> 17

<211> 1076

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (979)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1007)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1040)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1050)
 <223> n equals a,t,g, or c

<400> 17

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ccacatctac	ttcacgctgg	tgaccgaagg	gwgccggcgag	atcgacttcc	gctgccccct	120
ggaagatccc	ggctggaacg	cccagatcac	cctaggccctg	gtcaagttca	agaaccagca	180
ggccatccag	acagtgcggg	cccggcagag	cctcggggacc	gggaccctcg	tgctcctaaac	240
caccgggagc	accatctttc	cttcagtcta	cccaccacct	cagtgtctgag	gtcaaggcag	300
cttcgttggt	ccctctggct	tgtgggggca	cggctgtsyt	ccatgtggca	aggtggaagg	360
catggacgtg	tggaggaggc	gctggagctg	aagggaatgga	cgagccctgg	gaggagggca	420
gaaggctacg	cagggctgag	gatgaagatg	cagccctctg	atgggtcccag	actctcagga	480
catgcccagc	tcagggggctt	cgagccacag	gcctggcctc	atatggcatg	agggggagct	540
ggcataggag	ccccctccct	gctgtgggtc	tgccctctgt	cctgcagact	gctcttagcc	600
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ggtggtgggg	gtgagggggg	gtttggccat	tagcatttca	tgtctttccc	caaataaaga	960
tgccctgcaa	agggcagtna	accacaaaaa	aaaaaaaaaa	aaaaacntgg	ggggggggcc	1020
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<210> 18
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (639)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (697)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1347)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1361)
 <223> n equals a,t,g, or c

<400> 18						60
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gagggggaag	gtctccctct	ttcgctccat	cctgctgttc	ctcactcgct	tcaccgttct	240
cacggcaaca	ggctggagtc	tgtgccgac	cctcatccac	ctcttcagga	cctactcctt	300
cctgaacctc	ctgttccctc	gctatccgtt	tgggatgtac	attccgttcc	tgcarctgaa	360
ttkcgamcty	cgaaagacaa	gcctcttcaa	ccacatggcc	tccatggggc	cccgggaggc	420
ggtcagtggc	ctggcaaaga	gccgggacta	cctccctgaca	ctgcgggaga	cgtggaagca	480
gcacasaaga	cagctgtatg	gcccggagcg	catgcccacc	catgcctgct	gcctgtcgcc	540
cagcctcatc	cgcagtggag	tggagttcct	caagatggac	ttcaactggc	gcatgaagga	600
agtgtctgts	agctccatgc	tgagcgccca	ctatgtggcc	tttgtgcctg	tytggttcgt	660
gaagaacaca	cattactatg	acaagcgctg	gtcctgtgna	actcttcctg	ctgggtgtcca	720
tcagcacctc	cgtgatectc	atgcagcacc	tgctgcntgc	cagctactgt	gacctgctgc	780
acaaggccgc	cgcccatctg	ggctgttgcc	agaaggtgga	cccagcgctg	tgctccaacg	840
tgctgcagca	cccgtggact	gaagaatgca	tgtggccgca	gggctgtgct	gtgaagcaca	900
gcaagaacgt	ctacaaagcc	gtaggccamw	acaamgtggc	tatccctctc	gacgtctccc	960
acttccgctt	ccakttcttt	ttcagcaaac	ccctgcggat	cctcaacatc	ctcctgctgc	1020
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<210> 19
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 19						60
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ggctctcagg	cggaagaagg	ccagtacagc	ctgaacttcc	acaactgcaa	caattcagtg	180
ccaggaaagg	agcatccatt	cgacatcacg	gtgatgatcc	gggagaagaa	ccccgatggc	240
ttcctgtcgg	cagcggagat	gccccttttc	aagctctaca	tggatcatgtc	cgccctgttc	300
ctggccgctg	gcatcttctg	ggtgtccatc	ctctgcagga	acacgtacag	cgtcttcaag	360
atccactggc	tcattggcggc	cttggccttc	accaagagca	tctctctcct	cttccacagc	420
atcaactact	acttcatcaa	cagccagggg	ccaccccatc	gaaggccttg	ccgkcatgta	480
ctacatcgca	cacctgctga	agggcgccct	cctcttctatc	accatcgccc	tgattggctc	540
aggctgggct	tcattcaagta	cgctcctgtc	gataaggaga	agaaggctct	tgggatcggtg	600
atccccatgc	aggtcctggc	caacgtggcc	tacatcatca	tcgagtcccg	cgaggaagggc	660
gccacgaact	acgtgctgtg	gaaggagatt	ttgttccctg	tggacctcat	ctgctgtggt	720
gccatcctgt	tccccgtagt	ctgggtccatc	cggcatctcc	aggatgcgtc	tggcacagac	780
gggaaggtgg	cagtgaacct	ggccaagctg	aagctgttcc	ggcattacta	tgatcatggtc	

atctgctacg	tctacttcac	ccgcatcatc	gccatcctgc	tgcaggtggc	tgtgcccttt	840
cagtggcagt	ggctgtacma	gctcttgggtg	garggctcca	ccctggcctt	cttcgtgctc	900
acggggtaca	agttccagcc	cacagggaac	aaccctgacc	tgcagctgcc	ccaggaggac	960
gaggaggatg	ttcagatgga	gcaagtaatg	acggactctg	ggttccggga	aggcctctcc	1020
aaagtcaaca	aaacagccag	cgggaggga	ctgttatgat	cacctccaca	tctcagacca	1080
aagggtcgtc	ctccccagc	atttctcact	cctgcccttc	ttccacagcg	tatgtgggga	1140
ggtggagggg	tccatgtgga	ccaggcgccc	agctcccggtg	acscgggttc	ccggacaagc	1200
ccatttgga	gaagagtccc	ttcctcccc	caaataattg	gcagccctgt	ccttaccctg	1260
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aaaaaaaaa	aactcga					1337

<210> 20
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1267)
 <223> n equals a,t,g, or c

<400> 20						60
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ctttttatga	tgtttgggtg	ctatgagact	atagawgert	rsgrrgatga	tytttatcga	180
gatgagtcac	ctagtgaact	gagtgttgat	agtggaggtg	aatttcaact	ctatagccaa	240
attcattatg	cccaagatct	tgatgatgtc	atcagggagg	aagagcatga	agaaaagaac	300
tctgggaatt	cggaatcttc	gagtagtaaa	ccaaatcaga	agaagcta	cgctccttca	360
gatagtggag	tcattccagc	gtcagatggg	tcagaggtca	tcactttgtc	tgatgaagac	420
agtatttata	gatgtaaagg	aaagaatgtt	agagttcaag	cacaagaaaa	tgccccatgg	480
ctttcttctt	ctcttcaatc	taatgagctg	gttgataaga	aatgcaagag	tgatattgag	540
aagcctaaat	ctgaagagag	atcaggtgta	atccgagagg	tcattgattat	agaggtcagt	600
tcaagtgaag	aggaagagag	caccatttca	gaaggtgata	atgtggaaa	ctggatgcta	660
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gcccagatag	ctaataaccg	aacacctgga	agatggaccc	agcggtaact	ttcagccaac	840
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tatggacacg	aatgtccaga	aagagaagtg	tatgaccctg	ctccagtatc	tccattcatc	1260
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aaagtantca	agaaaaatgg	ggttatccca	gagccatcca	agctacctta	tataaaagca	1380
gcaaatgaga	acccccacca	tgatataagg	aagggccgtg	cctcatggaa	aagcaacagg	1390
tggcctcaag						

<210> 21
 <211> 1431
 <212> DNA
 <213> Homo sapiens

<400> 21						60
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ctcagtctcc	ctggcgagcg	acgggcagaa	atctcgaacc	agtggagcgc	actcgtaacc	180
tggatcccag	aaggtcgcca	aggcagtacc	gtttcctcag	cggcgggactg	ctgcagtaag	

aatgtctttt	ccacctcatt	tgaatcgccc	tcccatggga	atcccagcac	teccaccagg	240
gateccaccc	ccgcagtttc	caggatttcc	tccacctgta	cctccaggga	ccccaatgat	300
tcctgtacca	atgagcatta	tggctcctgc	tccaactgtc	ttagtacca	ctgtgtctat	360
gggtggaaag	catttgggcg	caagaaagga	tcattccaggc	ttaaaggcta	aagaaaatga	420
tgaaaattgt	ggctcacta	ccactgtttt	tgttggcaac	atttccgaga	aagcttcaga	480
catgcttata	agacaactct	tagctaaatg	tggtttggtt	ttgagctgga	agagagtaca	540
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tgggaatgca	aggccagaaa	ctgtcactaa	tgacgatgaa	gaagccttgg	atgaagaaac	780
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gaaggaggac	atthttccgca	gatttccagt	ggccccactg	atcccttata	cactcatcac	960
taaggaggat	ataaatgcta	tagaaatgga	agaagacaaa	agagacctga	tatctcgaga	1020
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tcgcattcga	tcaagagaaa	aaagcagaga	tcgtgaaagg	gaacgagagc	gggaaagaga	1380
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<210> 22

<211> 2539

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1283)

<223> n equals a,t,g, or c

<400> 22

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tgctgtcgta	tctgtctctg	agaatcctcg	gggcggtcag	gggatgtcag	gaggggaagg	120
agccgccctc	cctatcttgc	tgctcctctt	ggcactcagg	ggcaccttcc	atggagccag	180
accgggtgga	ggggcttctg	ggatttgggtg	tctgtctctg	ccagagcagg	aacccccagt	240
ctaggacttg	ggcattttaa	caggagaaaa	gtagtggctt	cccttttctc	tctctctctc	300
tttttccctt	taagcccaca	gattcagggtc	atgccaaaag	ctctctgggt	gtaacctgga	360
gacatgtgga	ggggaatggc	gatgggatta	taggactctc	cccatctcgg	gccctgacct	420
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catcaccccg	cttcttgttg	ggcctcaggc	actggttacc	agaagggggg	ctgggtctgc	600
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aragggtgtca	ccagcargtg	ttcattccca	tgccagcctt	gccccccggc	ttttcccagg	2040
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<210> 23

<211> 1041

<212> DNA

<213> Homo sapiens

<400> 23

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gcccagctgt	ggcgtgatc	cagtgcacat	gtgccccctg	ccagccgggg	ctcgcctcct	480
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tcaggggaac	ttccaagggt	tctggttgcc	ctgcctctgg	ctccagaaca	gaaagggagc	660
ctcacgctgg	ctcacacaaa	acagctgaca	ctgactaagg	aactgcagca	tttgcacagg	720
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tgacactagg	cccactcac	tcagatgtcc	tgaaattcca	ccacgggggt	caccctgggg	840
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acagaccccc	ccaactcccc	aaagcgggga	ggagatat	atgttgggga	gagtttggag	960
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<210> 24

<211> 1962

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (480)
 <223> n equals a,t,g, or c

<400> 24
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 cactcaggat ataacacact ataatagaaa atgtagactt cagaatcagg tatatttgag 180
 atggtttgta tactggttct gacacttggt agctattcat ctttggtaaa ttccccatta 240
 ccctttgtkc acctatwtgt ggggatcagt gcatagtgtg tgtwaagcat ttaataacctg 300
 gcaagtgttc agcaaatttt ttgttctata tatttattat ttgattattg gccctgagga 360
 gtaggtgttt gtttgtttgt ttgtttgttt agttttattt ctcatctcct caggaacaca 420
 aatgaaactt ggatattgtt atgggtgcttt tnataatata tttattattt tcagcaattn 480
 attcttggtt aaacaatttc ttatgacaag ttactcatct tcaatgggtga gaagaaatct 540
 agctcagaat aatatatttt tagtgtttgt atctctggat actcattttg ctcatttgcca 600
 cgtaaagtaa aaaaatacat aaattagctt attccaatgt aatatcttca ggatagtcac 660
 gggcaaggaa ttaatcacat taagagataa ctgcaactaa gcactatttg aggtgacttc 720
 tgtggaaaaa aaattaatyc tttaccattg cagcgttctg ccctagggtcc aaatgttacc 780
 aaaatcactc tagaatcttt tcttgccctgg aagaaaagga aagacaaga aaagattgat 840
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 gacaattaga tggacattta aaatggaact tcttttatct gacaggatca gctacaatgc 1860
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 gaccatcata cattaaaatc caaaaaaaaa aaaaaaaaaa aa 1962

<210> 25
 <211> 1228
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (580)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (621)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1159)

<223> n equals a,t,g, or c

<400> 25
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 gtgtaaggca gctgcatctg caccgagctc cctcctggac cagccgtgcc tctgccccgc 180
 accctctgtc cgcaccgctg ttgccctgac aacgcccgat atcacattgg ttctgcccc 240
 tgacatcatc caacaggaag cgtcaccctg agggaggaga cagaagcctg ggccagggtga 300
 acagtgggtat agcagccact ccagcctctg ctgcagcagc caccctggat gtggctgttc 360
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 ggcctccaga cctcgcccat gacgggagga gtctgtggct gaacatcagg ggcaaggagg 480
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 tgagctgcat cttgggcttg gtgctgcccc tggcctatgn ttccagcctg acctggtgct 600
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 cttcgggggc tggcagggg ccgagtcctg gccctcctgg aggagaactc cacaccccag 720
 ctagcaggga tcctggccc ggtgctgaat ggagaggcac ctccatagcct aggcccttcc 780
 tctgtggcct ccccagagga cgtccaggcc ctgatgtacc tgagagggca gctggagcct 840
 cagtggaaga tggtgcagt ccacccctac ctgggtggctt gaaatcggcc aaggtgggag 900
 catttacacc gcagaaatga caccgcacgc cagcggccc cggccgcgat ccggacccca 960
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 cccatcgcg cccggcccg cccatcgagg cccatgcaac ccacgctcg tyccgttccg 1140
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 acgaaaaaaa aaaaaaaaaa aaactcga 1228

<210> 26

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (847)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1303)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1307)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1314)

<223> n equals a,t,g, or c

<400> 26

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 agctaaacag aacgaaaaag catgcacatc ttacagatac agagatcatg actttggtag 180
 atgagactaa catgtatgaa ggtgtaggaa gaatgtttat tcttcagtcc aaggaagcaa 240
 ttcacagtca gctgttagag aagcagaaaa tagcagaaga aaaaattaaa gaactagaac 300
 agaaaaagtc ctacctggag cgacgttaaa ggaagctgag gacaacatcc gggagatgct 360

gatggcacga	agggcccagt	agggagcctc	tctgggaage	tcttcctcct	gccccccca	420
tccctggtgg	gggcagagga	gtgtctgcag	ggaaacagct	tctcctctgc	cccgatggat	480
gctttatttg	gatggcctgg	caacatcaca	ttttctgcat	caccctgagc	cccatttgct	540
tcccagccct	ggagttttta	cccggctttg	ctgccacctc	tgcccaggac	ackettccct	600
ctcgggatgt	gtgatgaact	cccaggagag	ggaagatggg	agccagggca	agataggaag	660
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ctgctaagcc	tggttttctt	gagcagaggg	atggaacaga	gggtgagaga	ggcagtggcc	780
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cttgccntct	tctcttttcc	cttcctgtac	ctttgactaa	cgctcagctt	ccgggcctgc	900
atgcagtaga	cagaagagga	agaaagaaca	gatgttcaca	gctgaatctc	agtgaacaga	960
atagcagtcc	ctggatggca	gtctgcctaa	agattccttt	ccctgccttc	tcccatacat	1020
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cagttgtcaa	acacagccat	tataattatg	taaatttgca	aattatgtta	aaaacaagga	1260
caataaatat	tcaaaatgca	tcctaawwa	aaaaaaaaa	aangggnggc	cgcncatagg	1320
gatccaagct	tacgtacgcy					1340

<210> 27

<211> 806

<212> DNA

<213> Homo sapiens

<400> 27

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tttctcactc	agcaaaattg	tgggggtccc	tagtcagcag	ctccctgggc	agctctctga	180
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agtctggagc	ccaccccgga	gggcagcaca	ggaggtgtct	ctgcagctgg	tgtcctgcca	360
cccctgcagg	cagcacacgt	cccgggcatt	ctccttagcc	acagacagaa	cagccagtgc	420
cagagtctgc	tgtcgttccc	ctttaagcac	actcattcac	cacacccgag	gaggccagag	480
gtgcagggag	catgggctgt	cgcttcccct	ttaagcacac	tcattcacca	cacccgagga	540
ggccagaagt	gcagggagca	tgggctgggt	gcacctccgc	aggagagaag	gctgagccac	600
cgccgtcccc	ggagcccggc	tcccaggcct	ctcgttttcc	cctacctccc	taagactttt	660
ctgtcactct	ctggccattg	aaaggcttct	gttccttaaa	gtgctgttac	actctccttt	720
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ccctatctta	aaaaaaaaa	aaaaaa				806

<210> 28

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (21)

<223> n equals a,t,g, or c

<400> 28

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gggatcccca	tgcaccttgt	ccttctccac	tgatactggc	agctcggctc	ctggacccaa	180
gatcccttga	gtggaattct	gcagtgcaag	agcccttcgt	gggagctgtc	ccatgtttcc	240
atgggtcccca	gtctcccctc	cacttggtgg	ggtcaccaac	tactcaccag	aagggggctt	300
accaagdaag	ccctaaaaag	ctgttgactt	atctgcgctt	gttccaactc	ttatgcccc	360
aacctgccct	accaccacca	cgcgctcagc	ctgatgtgtt	tacatgggtac	tgtatgtatg	420
ggagagcaga	ctgcaccctc	cagcaacaac	agatgaaagc	cagtggagcct	actaaccgtg	480
ccatcttgca	aactacactt	taaaaaaac	tcattgcttt	gtattgtagt	aaccaatatg	540
tgcagtatac	gttgaatgta	tatgaacata	ctttcctatt	tctgttcttt	gaaaatgtca	600
gaaatatatt	tttctttctc	attttatgtt	gaactaaaaa	ggattaaaaa	aaaaatctcc	660
agamaaaaaa	aaaaaaaaaa	aaattactgc	ggtccg			696

<210> 29
 <211> 1007
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (922)
 <223> n equals a,t,g, or c

<400> 29						60
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ctcagactat	ggatcctcaa	ggacaaactc	tgtgctttt	tctctttgtg	gatttccaca	240
gtgcatttcc	agtccagcaa	atggaaatct	ggggagtcta	tactttgctc	acaactcatc	300
tcaatgccat	ccttgttgag	agccacagtg	tagtgcaagg	ttccatccaa	ttcactgtgg	360
acaaggtctt	ggagcaacat	caccaggctg	ccaaggctca	gcagaaacta	caggcctcac	420
tctcagtggc	tgtgaactcc	atcatgagta	ttctgactgg	aagcactagg	agcagcttcc	480
gaaagatgtg	tctccagacc	cttcaagcag	ctgacacaca	agagttcagg	accaaaactgc	540
acaaagtatt	tcgtgagatc	acccaacacc	aattttcttca	ccactgctca	tgtgaggtga	600
agcagctaac	cctagaaaaa	aaggactcag	cccagggcac	tgaggacgca	cctgataaca	660
gcagcctgga	gctcctagca	gataccagcg	ggcaagcaga	aaacaagagg	ctcaagaggg	720
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ggccctgagc	cgggtcccc	tncgcaagcg	cccaccgatc	cggargctgc	gggcagccgt	1007
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<210> 30
 <211> 2026
 <212> DNA
 <213> Homo sapiens

<400> 30						60
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ggcccgtagg	cgtctggcag	cccggcgcca	tcttcatcga	gcgccatggc	cgcagcctgc	240
gggcccgggag	cggccgggta	ctgcttgctc	ctcggcttgc	atttgtttct	gctgaccgcg	300
ggccctgccc	tgggctggaa	cgaccctgac	agaatgttgc	tgcgggatgt	aaaagctctt	360
accctccact	atgaccgcta	taccacctcc	cgcaggctgg	atcccatccc	acagttgaaa	420
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aaaggctggg	atgggtatga	tgtacagtgg	gaatgtaaga	cggacttaga	tattgcatac	540
aaatttgga	aaactgtggt	gagctgtgaa	ggctatgagt	cctctgaaga	ccagtatgta	

ctaagagggtt	cttgtggcctt	ggagtataat	ttagattata	cagaacttgg	cctgcagaaa	600
ctgaaggagt	ctggaagca	gcacggcttt	gcctctttct	ctgattatta	ttataagtgg	660
tcctcggcgg	attcctgtaa	catgagtggg	ttgattacca	tcgtgggtact	ccttgggatc	720
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gagtatcctc	cattttccca	ccgttaccag	agattcacca	actcagcagg	acctcctccc	840
ccaggcttta	agtctgagtt	cacaggacca	cagaatactg	gccatgggtgc	aacttctggg	900
tttggcagtg	cttttacagg	acaacaagga	tatgaaaatt	caggaccagg	gttctggaca	960
ggcttgggaa	ctgggtggaat	actaggatat	ttgtttggca	gcaatagagc	ggcaacaccc	1020
ttctcagact	cgtgggtacta	cccgtcctat	cctccctcct	accctggcac	gtggaatagg	1080
gcttactcac	cccttcatgg	aggctcgggc	agctattcgg	tatgttcaaa	ctcagacacg	1140
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tgtgctggca	aaaatgcttg	aaacctctat	atttctttcg	ttcataagag	gtaaagggtca	1860
aatttttcaa	caaaagtctt	ttaataacaa	aagcatgcag	ttctctgtga	aatctcaa	1920
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<210> 31
 <211> 699
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (44)
 <223> n equals a,t,g, or c

<400> 31						60
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tttacaagta	ttatcctttt	aagatcattt	taatttttagt	tgagtgcaga	gggcttttat	240
aacaaacgtg	cagaaatttt	ggagggctgt	gatttttcca	gtattaaaca	tgcatgcatt	300
aatcttgcag	tttattttct	cattgtgtat	gtatatatcg	cttttctctg	cagcagcatt	360
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ctttgcaccc	actattttatg	tctgaatcat	ttgtcacaag	agagtgtgtg	ctgatgagat	540
tgtaagtttg	tgtgttttaa	cttttttttg	agcgagggaa	gaaaaagctg	tatgcatttc	600
attgctgtct	acaggtttct	ttcagattat	gttcatgggt	ttgtgtgtat	acaatatgaa	

gaatgatctg aagtaattgt gctgtattta tgtttattca ccagtctttg attaaataaa
aaggaaaacc agaaaaaaaa aaaaaaaaaa aaaaaaaaaa

660
699

<210> 32
<211> 1264
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1057)
<223> n equals a,t,g, or c

<400> 32
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tatagggtgag gaactgaggg atakaggggt cccagttga accaactgat aaatagtaga 180
acttggtatt taattcagtc ttgatgccag ggataaggct cttactttct accttaggct 240
atcttctagga aacgcaggag agtgttgaag gggcagagaa agggatccag ttcctttctg 300
tcccgcattcc tagtccctga gaagcaaaga araatgtgtg gcttcttttg ctttgctttt 360
gttgtcatcc cacacatctc caggggamct gggctcttga tcttggsctc tcccccttta 420
actgttaagt gggagcargt aagggggtac agtagggctg gcctggagtt agaggcttgg 480
atgccttagc tcctctgtct gcaactccaga actgcctgac ttcatttcgt atgttgctct 540
ttgttttgac aattgatcca tgtcccagtc cgtctcttct tccttcttga tacttacact 600
gcttctttct gttggtttcc agtgtttaac actgtataca acagtgcaga caacgtgttt 660
gtggggggccc ccacgggcag cggaagact atttgtgcag agtttgccat cctgcgaatg 720
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rcaggatga cgtggcgctg tgtcatgtga atttcccaag aagcatttca tctgtgattc 840
cgtatgaagg ctttctaagc cctgaaattt gcagggtcat ttcctcagtt tgtgtattaa 900
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ccgaggcggg cagatctccg gagatcagga gttcgagacc agcctggcca acatggtgra 1020
accctgtctc tactaaaawt acagaaatta gctggngtg gtggtgtgcg cctgtaatcc 1080
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gagccaagtt cgcaccactg cactccagcc tgggcaacaa gagcgagact tcattctcaa 1200
aaaaaaaaa aaaaactcga gggggggccc ggtacccaat tcgccctata gtgatcgtat 1260
taca 1264

<210> 33
<211> 997
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (855)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (881)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (916)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (957)
 <223> n equals a,t,g, or c

<400> 33
 attggaagtt gttttgcaac ctgggctttt atacagaaga atacgaatca caggtgtgtg 60
 agcatctact taattaattt gcttacagcc gatttcctgc ttactctggc attaccagtg 120
 aaaattgttg ttgacttggg tgtggcacct tgggaagctga agatattcca ctgccaagta 180
 acagcctgcc tcatctatat caatatgtat ttatcaatta tcttcttagc atttgtcagc 240
 attgaccgct gtcttcagct gacacacagc tgcaagatct accgaatata agaaccgga 300
 tttgccaaaa tgatatcaac cgttgtgtgg ctaatgggtcc ttcttataat ggtgccaaat 360
 atgatgattc ccatcaaaga catcaaggaa aagtcaaagt tgggttgtat ggagtttaaa 420
 aaggaatttg gaagaaattg gcatttgctg acaaatttca tatgtgtagc aatattttta 480
 aatttctcag ccatcathtt aatatccaat tgccttgtaa ttcgacagct ctacagaaac 540
 aaagataatg aaaattaccc aaatgtgaaa aaggctctca tcaacatact tttagtggc 600
 acgggctaca tcatatgctt tgttccttac cacattgtcc gaatcccgtat taccctcagc 660
 cagacagaag tcataactga ttgctcaacc aggatttcac tcttcaaagc caaagaggct 720
 acaactgctcc tggctgtgtc gaacctgtgc tttgatccta tctgtacta tcacctctca 780
 aaagcattcc gctcaaaggc cactgagact tttgcctcmc cttaaagagac caaggtyaga 840
 aagaaaaatt aagangtgga aataatggct aaaagacagg ntttttgtgg taccaattct 900
 gggctttatg ggacntaaa gttattatag cttggaagg aaaaaaaaaa aaagggnggg 960
 cgctctagag gttccccgag gggccagctt aggggtgc 997

<210> 34
 <211> 1914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1889)
 <223> n equals a,t,g, or c

<400> 34
 gtgtgagagg cctctctgga agttgtcccg ggtgttcgcc gctggagccc gggctcgagag 60
 gacgaggtgc cgctgcctgg agaatectcc gctgccgtgc gctcccgag cccagccctt 120
 tcctaaccce acccaacctg gccaggtccc agccgccagc gcctgtccct gtcacggacc 180
 ccagcggtac catgcatcct gccgtcttcc tatccttacc cgacctcaga tgctcccttc 240
 tgctcctggg aacttgggtt tttactcctg taacaactga aataacaagt cttgatacag 300
 agaatataga tgaaatttta aacaatgctg atgttgcttt agtaaatttt tatgtctgact 360
 ggtgtcgttt cagtcagatg ttgcatccaa tttttgagga agcttccgat gtcattaagg 420
 aagaatttcc aaatgaaaaat caagtagtgt ttgccagagt tgatttgtat cagcactctg 480
 acatagccca gagatacagg ataagcaaat acccaaccct caaattgttt cgtaatggga 540
 tgatgatgaa gagagaatac aggggtcagc gatcagtga agcattggca gattacatca 600
 ggcaacaaaa aagtgacccc attcaagaaa ttcgggactt agcagaaatc accactcttg 660
 atcgagcaa aagaaatata attggatatt ttgagcaaaa ggactcggac aactatagag 720
 tttttgaacg agtagcgaat attttgcatg atgactgtgc ctttctttct gcatttgggg 780
 atgtttcaaa accggaaaga tatagtggcg acaacataat ctacaaacca ccagggcatt 840
 ctgctccgga tatggtgtac ttgggagcta tgacaaattt tgatgtgact tacaattgga 900
 ttcaagataa atgtgttccct cttgtccgag aaataacatt tgaaaaatgga gaggaattga 960
 cagaagaagg actgcctttt ctcatactct ttcacatgaa agaagataca gaaagttag 1020
 aaatattcca gaatgaagta gctcggcaat taataagtga aaaaggatca ataaactttt 1080
 tacatgccga ttgtgacaaa tttagacatc ctcttctgca catacagaaa actccagcag 1140
 attgtcctgt aatcgctatt gacagcttta ggcataatgta tgtgtttgga gacttcaaag 1200
 atgtattaat tcctggaaaa ctcaagcaat tcgtatttga cttacattct ggaaaactgc 1260

acagagaatt	ccatcatgga	cctgacccaa	ctgatacagc	cccaggagag	caagcccaag	1320
atgtagcaag	cagtccacct	gagagctcct	tccagaaact	agcaccaggt	gaatataggt	1380
atactctatt	gagggatcga	gatgagcttt	aaaaacttga	aaaacagttt	gtaagccttt	1440
caacagcagc	atcaacctac	gtgggtggaa	tagtaaacct	atattttcat	aattctatgt	1500
gtatttttat	tttgaataaa	cagaaagaaa	ttttgggttt	ttattttttt	tctccccgac	1560
tcaaaatgca	ttgtcattta	atatagtagc	ctcttaaaaa	aaaaaaaaaac	ctgctaggat	1620
ttaaaaataa	aaatcagagg	cctatctcca	ctttaaatct	gtcctgtaaa	agttttataa	1680
atcaaataaa	aggtgacatt	gccagaaact	taccattaac	ttgcactact	agggtaggga	1740
ggacttaggg	atgtttcctg	tgctgtatgt	gcttttcttt	ctttcatatg	atcaattctg	1800
ttgggtattt	cagtatctca	tttctcaaa	ctaaagagat	atacattctg	gatacttggg	1860
aggggaataa	attaaagttt	tcacactgna	aaaaaaaaaa	aaaaaaaaaac	tcga	1914

<210> 35
 <211> 1020
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1014)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1015)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1018)
 <223> n equals a,t,g, or c

<400> 35						
gtataattat	aaatttgntc	ggttcnaccg	gtcctgtggt	gcytaaaaaac	accttataaa	60
agaggagagt	atttgataag	caattttcat	agtagtaaag	tttttttttca	tctcttaaac	120
taaattgacc	atgcatataa	tattctttgt	ttaaatgaaa	gcatactggt	gaaacccgca	180
gtgttgcat	tagaaaacag	ttgaacagaa	tgtcaatgtg	cattcatgca	aaaaaacatt	240
taatctgcat	ctgttttaga	aaagggggaa	atgaagcaac	ttgtctaaaa	atactgcttt	300
acaaagcatt	tcagcctttc	cccctcagtt	ttgcattgat	tttttgacaa	gtctgtagag	360
cctaatagtt	tccatcaaag	gcctagatct	cttatttagc	atttttttca	gctcttctct	420
cagaagttca	gctgttgaaa	cgaaaactgt	actttgtacc	ctcacataca	aagggatcaa	480
atttgacctg	gtgttatatt	agccccaaat	ttatgacatt	acacaatatt	aaaatgtaaa	540
tgtttcttta	cccaaactac	ttctagatat	tctagtattt	gcttctgggtg	gaattaaatg	600
acggtaaaat	tggctaatta	tttgaatgaa	tgaatggatg	gatgttttgc	atgctcaatt	660
tctaggctct	ttgtctagaa	aggaaatttg	cctcagttga	attagtgaat	tatttctgtc	720
gttgatatta	aaagtgcatt	ctgagtacag	ttaagttcct	cctatttgcc	actgggctgt	780
tggttagaag	cataggtaac	tgattaagta	ggtatgatac	tgcatttgaa	ataagtggac	840

acaaactatc	ctttctccac	catggactca	atctgagaac	aacagcattc	atttccattc	900
atttccatac	tggcttttga	ttatatgcag	attcctagta	gcatgcctta	cctacagcac	960
tatgtgcatt	tgctgtcaca	ataaagtata	ttttgtcttg	caaaaaaaaa	aaannaangg	1020

<210> 36
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 36						60
aactcctgac	ctcaagtgct	ccacctgcgt	tggcttccca	aagtgcctggg	atacaggagt	120
ragccactgc	gcctggctga	tcccagcact	tttmaaata	tgccgctcaa	agccgtgact	180
tggcctactt	tgaacagcaa	acttggtgct	gctggtgtca	acctgaaggc	ctctcaaatg	240
ccagcttcaa	gcaggggtgtg	aattggccag	tgtcagatct	caggagtcct	gtgttgagag	300
tgtggctttc	agctgcgggg	agctgcactt	ggtggggaaa	gccaggcagg	tcaccctcac	360
agccagataa	tgtggagggtc	agaacccaag	gaagggagtg	agacctccac	tcccagtggtg	420
ggacctggcc	acccatcctt	ggggacctga	gaaagcgtac	ttcaccttgg	ggtgaaggct	480
gggtggggcc	agagggacca	gtgccctcct	cagtgccttag	gggcagagcc	acctgcagca	540
atgggtatctg	catattagcc	cctctccacc	ttctttctcc	cgctgaatca	tttccctcaa	600
agcccaagag	ctgtcactgc	ttctttctcc	ctgggaagaa	tgctgggact	ctgcctggtg	660
atagactgaa	gccagaacag	tgccacaccc	tcgccttaat	tccttgctag	gtgttctcag	720
atttatgaga	cttcttagtc	aaatatgagg	gaggttggat	gtggtggctt	gtgcctgtaa	780
tcccagcatt	ttgggaagcc	gaggtgggag	gatcccttga	agccaggagt	ttgagacaag	781

c

<210> 37
 <211> 966
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (586)
 <223> n equals a,t,g, or c

<400> 37						60
ccactatngg	caattggtac	cggccccccc	tcgaggaaga	taaggtgcag	ttcatgccag	120
aatccccagc	ttcccatgca	ggctggggac	atagtgggtt	ctcccgaat	actgggtcac	180
ttgaatttga	tatgatgtat	atatattcac	ctctagtcca	taggtacata	tagtctatat	240
attaaaaaga	cattggattt	tgacttaaac	tagatgtttc	tcaagcacac	caagacgggtg	300
ctagagcctg	ggtttggcca	gagaattggg	tcccggtcag	aagtgcagtg	ggatggcttg	360
cgagcaagggt	gtctgtaggg	cagcacagga	tgtctgggtg	gcagacagca	agcttctgtc	420
ctgccccgag	tgctgaggag	cgaggtgact	gcctacatgg	tgatgsaaag	atttgggcac	480
gcttccgggt	ttcaggccaa	acaacctcgc	ttgctccatg	gcacctga	tcccagcagt	540
ggccccgagg	agctccttcc	tgctgcttca	tgctctgaca	ctttgggggg	ctcctttccc	600
caccacgtgg	gtctcctgtc	agcctcgaag	tgtcctgcgc	cctcncctg	tacgcccagg	660
tgtgcctccc	ctggccgcac	ytccctctgtg	ctcctgcgtc	tctctgttct	tcttttagagt	720
ggttctgcac	gtcagcagca	tctgtgggtg	ggcctgggga	cccttcagaa	caggggctcc	780
tgcccagctt	ctgggtcccc	cacctgtggc	ccaggggaag	ctctttgttc	ctcagcccca	840
agctgtatct	ggtgagaaca	gatgcgtagt	cccggagctc	aagttctggg	aagggcagtg	900
ccctttttctg	tggggccctg	ggcttgttct	gcattgtttc	aagaggagct	gccactcaaa	

960
966

```
<220>
<221> SITE
<222> (395)
<223> n equals a,t,g, or c
```

<400>	38							60
gaattcggca	cgaggtaata	ggagccctcg	tacctcttgt	gttccttaca	aacattctca			120
tcagtagctc	tacgcggtga	ctgggtgggt	tgaratggct	ggtatacaca	gggctttctt			180
ggtgttctgt	ctctggggct	tarttttgtg	tgtggttgga	gggccctggt	gagattggaa			240
gtaccagaga	gtgctgtgtc	aggggcagag	gggcctgtcg	ctggagctgg	aggggtgcctg			300
cctttgtgtc	tgactcartc	tcctgtctgc	cttgccccct	caggggtctcg	ccagcccagc			360
ctctgtggga	atcta aaagg	artggatgtg	gacgktgac	caagcacatc	tcagctttta			416
atacctgggc	tatttataga	cctttggggg	gaatngcttg	tggaacaaca	agggtt			

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<210> 39
<211> 1114
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 40
<211> 602
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE

<222> (597)

<223> n equals a,t,g, or c

<400> 40

gggtcgaccc	acgcgtccgt	cccaggccac	aagacatttc	ctgctcgga	ccttgtttac	60
taattgtctc	tgtggcacat	tttgtttccc	gtgccttggg	tgtcaagttg	cagctgatat	120
gaatgaatgc	tgtctgtgtg	gaacaagcgt	cgcaatgagg	actctctaca	ggacccgata	180
tggcatccct	ggatctatct	gtgatgacta	tatggcaact	ccttgctgtc	ctcattgtac	240
tctttgccaa	atcaagagag	atatcaacag	aaggagagcc	atgcgtactt	tctaaaaact	300
gatgggtgaaa	agctcttacc	gaagcaacaa	aattcagcag	acacctcttc	agcttgagtt	360
cttcaccatc	ttttgcaact	gaaatatgat	ggatatgctt	aagtacaact	gatggcatga	420
aaaaaatcaa	atttttgatt	tattataaat	gaatgttgct	cctgaactta	gctaaatggg	480
gcaacttagt	ttctccttgc	tttcatatta	tcgaatttcc	tggcttataa	actttttaaa	540
ttacatttga	aataataaac	aaatgaaata	ttttactgaa	aaaaaaaaaa	aaaaaanccc	600
ca						602

<210> 41

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<400> 41

ggcagagctt	aggagaacag	ctcccttttg	atccctntca	aaggtgatac	cattggctcc	60
cagcttagag	taagaagctc	tgagaagttg	aatgaagggg	gagatagaga	tgctgaaccc	120
attcttscag	cttcttctag	tgttgttatt	tccagaatgg	ccaacacccc	tacattgata	180
cataaacaca	ttccaaggcc	ttgtgtaata	caaagttcac	cgctcctctg	gaataggagc	240
cctgggttct	agttctcact	ctgccactgg	gggaaaatcc	aattaaagtc	tggttttagtc	300
agcttgggtc	accatagact	gggtggctta	aacagcagac	atttatttct	ggtagtttct	360
ggaggctaca	aatctaagag	caaggtgcca	gcatgggtcac	attctgggtga	gggscctctt	420
cctggcttgt	agacggctgc	yttctcaccg	tgtgctcaca	tagcctttcg	tgtgtgtgtg	480
tgtgtgtgtg	tgcgtkcggt	caagcttck	gatgtctctt	cttagaagga	caccaacccc	540
atcatgagag	ccctactctc	atgacttagc	ctaaccctaa	ttaccctcca	aaggcccat	600
ctccaaatgc	catcacattg	gagggtagag	cttcaacata	gggatttttg	gggacacaaa	660
cattcagtc	ataacaaagg	ctgtagtcct	tartttctct	gtctgtgaaa	tgagagtgtt	720
gagattcttt	ctagccttta	tcatttataa	ttctgtgaga	tgtagatttg	cattattttc	780
gagttcgagt	tatatgaaat	gtttccctct	acattttctt	gggcaactga	gaactgaata	840
gggctagggt	taaatagagt	taggcagtta	ggcttattct	tttatttaat	aagcattttt	900
ggagcatcta	cggtgttcca	ggaactgaac	tgttgtaaac	attggagctg	taacagagaa	960
caaaagagac						970

<210> 42

<211> 1002

<212> DNA

<213> Homo sapiens

<400> 42

gaattcggca	cgagccgagg	tcggcagcac	agagctctgg	agatgaagac	cctgttctctg	60
ggtgtcacgc	tcggmctggc	cgctgccctg	tccttmaccc	tggrggagga	ggatatcaca	120
gggacctggg	acgtgaaggc	catggtgggt	gataagactt	tccggagaca	ggaggcccag	180
aaggtgtccc	cagtgaagggt	gacagccctg	ggcgggtggga	agttggaagc	cacgttcacc	240
ttcatgaggg	aggatcggtg	catccagaag	aaaatcctgr	tgcggaagac	ggaggagcct	300

ggcaaataca	ggcgcctgtga	gccccctccc	caytcccacc	cccaccytcc	cccaccgcca	360
acccccagtgc	accagcctcc	acaggtagag	agtgccccagg	ctgccctttt	gccagggccc	420
cagctctgcc	cacctccaag	gaggggctgg	cctctccttc	ctgggggggt	ggtggccctg	480
acatcagaca	ccgggtgtga	caggcttgct	cgcagtcgag	atggaccaga	tcacgcctgc	540
cctctgggag	gccctagcca	ttgacacatt	gaggaagctg	aggattggga	caaggaggcc	600
aaggattaga	tgggggagc	aagctcatgt	acctgcagga	gctgcccagg	agggaccayt	660
acatctttta	ctgcaaagac	cagcaccatg	ggggcstgct	ccacatggga	aagcttgtgg	720
gtaggaattc	tgataccaac	cgggaggccc	tggaagaatt	taagaaattg	gtgcagcgca	780
agggactctc	ggaggaggac	attttcacgc	ccctgcagac	gggaagctgc	gttcccgaac	840
actaggcagc	ccccgggtct	gcacctccag	agcccaccct	accaccagac	acagagcccg	900
gaccacctgg	acctaccctc	cagccatgac	ccttccctgc	tcccaccac	ctgactccaa	960
ataaagtcc	tctcccccaa	aaaaaaaaa	aaaaaaactc	ga		1002

<210> 43
 <211> 2581
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1591)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1703)
 <223> n equals a,t,g, or c

<400> 43						60
tgcaaaaacca	ctggacactg	gacaagtacg	ggatcctggs	cgacgcacgc	ctcttctttg	120
ggccccagca	ccggscctgc	atccttcggt	tgtccaaccg	ccgcgcactg	cgccctcctg	180
ccagcttctc	ccagccccctc	ttccaggctg	tggstgccat	ctgcgcctc	ctcagcatcc	240
ggcaccgccga	ggagctgtcc	ctgctccggg	ctcctgagaa	gaaggagaag	aagaagaaaag	300
agaaggagcc	agaggaagag	ctctatgact	tgagcaaggt	tgtcttggct	gggggcgtgg	360
cacctgcact	gttccggggg	atgccagctc	acttctcgga	cagcgcccag	actgaggcct	420
gctaccacat	gctgagccgg	ccccagccgc	cacccgaccc	cctcctgctc	cagcgtctgc	480
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acagcttctt	cgatttggat	cccaagacag	accccgctgc	gctgacacag	ctgtatgagc	660
aggccccggtg	ggacctgctg	ctggaggaga	ttgactgcac	cgaggaggag	atgatgggtg	720
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ctggcacaga	cccagggctg	gacgacctgg	atgtggccct	gagcaacctg	gaggtgaagc	840
tggagggggtc	ggcgcccaca	gatgtgctgg	acagcctcac	caccatccca	gagctcaagg	900
accatctccg	aatctttcgg	ccccggaagc	tgacctgaa	gggctaccgc	caacactggg	960
tggtgttcaa	ggagaccaca	ctgtcctact	acaagagcca	ggacgaggcc	cctgggggacc	1020
ccattcagca	gctcaacctc	aagggtctgt	aggtgggttc	cgatgttaac	gtctccggcc	1080
agaagtctctg	cattaaactc	ctagtgcctt	cccctgaggc	atgagtgaga	tctacctgag	1140
gtgccaggat	gagcagcagt	atgcccgctg	gatggctggc	tgccgcctgg	cctccctcag	1200
ccgcaccatg	gccgacagca	gctacaccag	cgagggtgcag	gccatcctgg	gttccctctg	1260
cctgcagcgc	acgggcagtg	ggggccccgg	caaccacccc	cacggccctg	atgcctctgc	1320
cgagggcctc	aacccctacg	gcctcgcttg	cccccgcttc	cagcgaaaagt	tcaaggccaa	1380
gcagctcacc	ccacggatcc	tggaagccca	ccagaatgtg	gcccagttgt	cgctggcaga	1440
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gatccgcctc	gacttggcgg	tgggcgacgt	ggtcaagacc	tggcgcttca	gcaacatgag	1620
ccagtgggaat	gtcaactggg	acatccggca	ngtggccatc	gagtttgatg	aacacatcaa	1680
tgtggccctc	agctgcgtgt	ctgccagctg	ccgaattgta	cacgagtata	tcgggggcta	

catttttccctg	tcgacgcggg	agngggcccg	tggggaggag	ctggatgaag	acctcttccct	1740
gcagctcacc	gggggccatg	aggccttctg	agggctgtct	gattgccccct	gccctgctca	1800
ccaccctgtc	acagccactc	ccaagcccac	acccacaggg	gtcactgcc	ccacaccgc	1860
tccaggcagg	caccagctg	ggcatttcac	ctgctgtcac	tgaactttgtg	caggccaagg	1920
acctggcagg	gccagacgt	gtaccatcac	ccaggccagg	gatgggggtg	ggggtcctg	1980
agctcatgtg	gtgccccctt	tccttgctg	agtggctgag	gctgataccc	ctgacctatc	2040
tgcagtcccc	cagcacacaa	ggaagaccag	atgtagctac	aggatgatga	aacatgggtt	2100
caaacgagtt	ctttcttggt	actttttaaa	atttcttttt	tataaattaa	tattttattg	2160
ttggatcctc	ctcctttctc	tggagctgtg	cttggggcta	ctctgacact	ctgtctcttc	2220
atcaccagcc	aaggaaagg	gctttcctga	taaagacaag	agttggttag	agaaaggag	2280
acctaagtca	gtctagggtt	ggaagctagg	agagaggtga	gggcagaagg	gcacagcttt	2340
caggaacaag	gaataggggc	tggggtkgk	gttctcacgg	gtaggcggta	cctgcagggc	2400
ctccttgaag	tacttgggaa	ggaggaagcc	atcagtatcc	cctggagtca	gaatcacccc	2460
attggcagag	cggaagaagg	gtattccatc	tgctgacaga	gccagagatg	tgactcatgc	2520
cctccccgaa	ggcaaagtca	gctcctgctt	tgtccagact	cacctgccag	agccaggggt	2580
c						2581

<210> 44
 <211> 796
 <212> DNA
 <213> Homo sapiens

<400> 44						60
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agtctggagc	ccacccccga	gggcagcaca	ggaggtgtct	ytgcagctgg	tgtcctgcma	420
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ggtgcaggga	gcatgggctg	tcgttccccct	ttaagcacac	tcattcacca	caccgaggga	600
ggccagaagt	gcaggagca	tgggctgggt	gcacctccgc	aggagagaag	gctgagccac	660
cgccgtcccc	ggagcccggc	tcccaggcct	ctcgttttcc	cctacctccc	taagactttt	720
ctgtcactct	ctggccattg	aaaggcttct	gttccttaaa	gtgctgttac	aqtctccttt	780
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ccctatctta	aaaaaa					

<210> 45
 <211> 2017
 <212> DNA
 <213> Homo sapiens

<400> 45						60
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cgtagcgtct	ggcagcccgg	cgccatcttc	atcgagcgcc	atggcccgag	cctgcggggc	240
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agtctataag	ctgttcctga	gtgacgggca	gtattctcct	ccaccgtact	ctgagtatcc	780
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tggatgcaga	aatttttggat	ttttcatcac	tttctcttta	gaaaaaaagt	actacctgtt	1260
aacaattggg	aaaaggggat	attcaaaagt	tctgtgggtg	tatgtccagt	gtagcttttt	1320
gtattctatt	atltgaggct	aaaagttgat	gtgtgacaaa	atacttatgt	gttgtatgtc	1380
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actaatagaa	actaagtaca	gaaaatttca	gttttaggtg	gttgtagctg	atgagttatt	1560
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caaaaatgct	tgaaacctct	atatttcttt	cgttcataag	aggtaaaggt	caaatttttc	1860
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<210> 46

<211> 981

<212> DNA

<213> Homo sapiens

<400> 46

tcggcagcac	agagctctgg	agatgaagac	cctgttcctg	ggtgtcacgc	tcggcctggc	60
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atgggtggctg	ataagacttt	ccggagacag	gaggccacga	aggtgtcccc	agtgaagggtg	180
acagccctgg	gcgggtgggaa	gttggaagcc	acgttcacct	tcagtaggga	ggatcgggtgc	240
atccagaaga	aaatcctgrt	gcggaagacg	gaggagcctg	gcaaatacag	cgctgtgtgag	300
cccctcccc	aytcccaccc	ccaccytccc	ccaccgcaa	ccccagtga	ccagcctcca	360
caggtagaga	gtgcccaggc	tgcccttttg	ccaggggccc	agctctgccc	acctccaagg	420
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<210> 47

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (146)

<223> Xaa equals stop translation

<400> 47

Met His Tyr Gln Met Ser Val Thr Leu Lys Tyr Glu Ile Lys Lys Leu
 1 5 10 15

Ile Tyr Val His Leu Val Ile Trp Leu Leu Leu Val Ala Lys Met Ser
 20 25 30

Val Gly His Leu Arg Leu Leu Ser His Asp Gln Val Ala Met Pro Tyr
 35 40 45

Gln Trp Glu Tyr Pro Tyr Leu Leu Ser Ile Leu Pro Ser Leu Leu Gly
 50 55 60

Leu Leu Ser Phe Pro Arg Asn Asn Ile Ser Tyr Leu Val Leu Ser Met
 65 70 75 80

Ile Ser Met Gly Leu Phe Ser Ile Ala Pro Leu Ile Tyr Gly Ser Met
 85 90 95

Glu Met Phe Pro Ala Ala Gln Pro Ser Thr Ala Met Ala Arg Pro Thr
 100 105 110

Val Ser Ser Leu Val Phe Leu Pro Phe Pro Ser Cys Thr Trp Cys Trp
 115 120 125

Cys Trp Gln Cys Lys Cys Met Pro Gly Ser Cys Thr Thr Ala Arg Ser
 130 135 140

Ser Xaa
 145

<210> 48

<211> 312

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (312)

<223> Xaa equals stop translation

<400> 48

Met Asn Ser Val Val Ser Leu Leu Leu Ile Leu Glu Pro Asp Lys Gln
 1 5 10 15

Glu Ala Leu Ile Glu Ser Leu Cys Glu Lys Leu Val Lys Phe Arg Glu
 20 25 30

Gly Glu Arg Pro Ser Leu Arg Leu Gln Leu Leu Ser Asn Leu Phe His
 35 40 45

Gly Met Asp Lys Asn Thr Pro Val Arg Tyr Thr Val Tyr Cys Ser Leu
 50 55 60

Ile Lys Val Ala Ala Ser Cys Gly Ala Ile Gln Tyr Ile Pro Thr Glu
 65 70 75 80

Leu Asp Gln Val Arg Lys Trp Ile Ser Asp Trp Asn Leu Thr Thr Glu
 85 90 95
 Lys Lys His Thr Leu Leu Arg Leu Leu Tyr Glu Ala Leu Val Asp Cys
 100 105 110
 Lys Lys Ser Asp Ala Ala Ser Lys Val Met Val Glu Leu Leu Gly Ser
 115 120 125
 Tyr Thr Glu Asp Asn Ala Ser Gln Ala Arg Val Asp Ala His Arg Cys
 130 135 140
 Ile Val Arg Ala Leu Lys Asp Pro Asn Ala Phe Leu Phe Asp His Leu
 145 150 155 160
 Leu Thr Leu Lys Pro Val Lys Phe Leu Glu Gly Glu Leu Ile His Asp
 165 170 175
 Leu Leu Thr Ile Phe Val Ser Ala Lys Leu Ala Ser Tyr Val Lys Phe
 180 185 190
 Tyr Gln Asn Asn Lys Asp Phe Ile Asp Ser Leu Gly Leu Leu His Glu
 195 200 205
 Gln Asn Met Ala Lys Met Arg Leu Leu Thr Phe Met Gly Met Ala Val
 210 215 220
 Glu Asn Lys Glu Ile Ser Phe Asp Thr Met Gln Gln Glu Leu Gln Ile
 225 230 235 240
 Gly Ala Asp Asp Val Glu Ala Phe Val Ile Asp Ala Val Arg Thr Lys
 245 250 255
 Met Val Tyr Cys Lys Ile Asp Gln Thr Gln Arg Lys Val Val Val Ser
 260 265 270
 His Ser Thr His Arg Thr Phe Gly Lys Gln Gln Trp Gln Gln Leu Tyr
 275 280 285
 Asp Thr Leu Asn Ala Trp Lys Gln Asn Leu Asn Lys Val Lys Asn Ser
 290 295 300
 Leu Leu Ser Leu Ser Asp Thr Xaa
 305 310

<210> 49
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 49
 Met Met Ser Phe Phe Cys Phe Val Met Gly Val Thr Val Ala Ala Thr
 1 5 10 15
 Phe Thr Ala Ile Val Pro Arg Trp Arg Leu Ser Gln Lys Glu Ile Gly
 20 25 30

Ser Val Leu Ser Val Trp Leu Ser Arg Trp Arg Glu Asn Ser Leu Arg
 35 40 45

Ser Leu Val Ser Gln Ser Val Ala Arg Ser Gly Lys Val Val Ile Arg
 50 55 60

<210> 50
 <211> 467
 <212> PRT
 <213> Homo sapiens

<400> 50
 Met Leu Ser Arg Pro Gln Pro Pro Pro Asp Pro Leu Leu Leu Gln Arg
 1 5 10 15

Leu Pro Arg Pro Ser Ser Leu Ser Asp Lys Thr Gln Leu His Ser Arg
 20 25 30

Trp Leu Asp Ser Ser Arg Cys Leu Met Gln Gln Gly Ile Lys Ala Gly
 35 40 45

Asp Ala Leu Trp Leu Arg Phe Lys Tyr Tyr Ser Phe Phe Asp Leu Asp
 50 55 60

Pro Lys Thr Asp Pro Val Arg Leu Thr Gln Leu Tyr Glu Gln Ala Arg
 65 70 75 80

Trp Asp Leu Leu Leu Glu Glu Ile Asp Cys Thr Glu Glu Glu Met Met
 85 90 95

Val Phe Ala Ala Leu Gln Tyr His Ile Asn Lys Leu Ser Gln Ser Gly
 100 105 110

Glu Val Gly Glu Pro Ala Gly Thr Asp Pro Gly Leu Asp Asp Leu Asp
 115 120 125

Val Ala Leu Ser Asn Leu Glu Val Lys Leu Glu Gly Ser Ala Pro Thr
 130 135 140

Asp Val Leu Asp Ser Leu Thr Thr Ile Pro Glu Leu Lys Asp His Leu
 145 150 155 160

Arg Ile Phe Arg Pro Arg Lys Leu Thr Leu Lys Gly Tyr Arg Gln His
 165 170 175

Trp Val Val Phe Lys Glu Thr Thr Leu Ser Tyr Tyr Lys Ser Gln Asp
 180 185 190

Glu Ala Pro Gly Asp Pro Ile Gln Gln Leu Asn Leu Lys Gly Cys Glu
 195 200 205

Val Val Pro Asp Val Asn Val Ser Gly Gln Lys Phe Cys Ile Lys Leu
 210 215 220

Leu Val Pro Ser Pro Glu Gly Met Ser Glu Ile Tyr Leu Arg Cys Gln
 225 230 235 240
 Asp Glu Gln Gln Tyr Ala Arg Trp Met Ala Gly Cys Arg Leu Ala Ser
 245 250 255
 Lys Gly Arg Thr Met Ala Asp Ser Ser Tyr Thr Ser Glu Val Gln Ala
 260 265 270
 Ile Leu Ala Phe Leu Ser Leu Gln Arg Thr Gly Ser Gly Gly Pro Gly
 275 280 285
 Asn His Pro His Gly Pro Asp Ala Ser Ala Glu Gly Leu Asn Pro Tyr
 290 295 300
 Gly Leu Val Ala Pro Arg Phe Gln Arg Lys Phe Lys Ala Lys Gln Leu
 305 310 315 320
 Thr Pro Arg Ile Leu Glu Ala His Gln Asn Val Ala Gln Leu Ser Leu
 325 330 335
 Ala Glu Ala Gln Leu Arg Phe Ile Gln Ala Trp Gln Ser Leu Pro Asp
 340 345 350
 Phe Gly Ile Ser Tyr Val Met Val Arg Phe Lys Gly Ser Arg Lys Asp
 355 360 365
 Glu Ile Leu Gly Ile Ala Asn Asn Arg Leu Ile Arg Ile Asp Leu Ala
 370 375 380
 Val Gly Asp Val Val Lys Thr Trp Arg Phe Ser Asn Met Arg Gln Trp
 385 390 395 400
 Asn Val Asn Trp Asp Ile Arg Gln Val Ala Ile Glu Phe Asp Glu His
 405 410 415
 Ile Asn Val Ala Phe Ser Cys Val Ser Ala Ser Cys Arg Ile Val His
 420 425 430
 Glu Tyr Ile Gly Gly Tyr Ile Phe Leu Ser Thr Arg Glu Arg Ala Arg
 435 440 445
 Gly Glu Glu Leu Asp Glu Asp Leu Phe Leu Gln Leu Thr Gly Gly His
 450 455 460
 Glu Ala Phe
 465

<210> 51

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals stop translation

<400> 51

Met Arg Pro Gly Arg Gly Ala Gly Thr Pro Gly Arg Pro Gly Arg Gly
1 5 10 15

Arg Gly Leu Ala Ala Thr Cys Ser Leu Ser Ser Pro Ser His Leu Leu
20 25 30

Pro Thr Leu Leu His Thr Phe Ser Phe Ser Leu Pro Pro Pro Ser Pro
35 40 45

Ala Ala Pro Arg Gln Pro Ser Pro Pro Ala Leu Leu Leu Pro Gly Pro
50 55 60

Gln Lys Pro Arg Pro Gly Asp Pro Thr Tyr Thr Gly Ala Leu Thr Asp
65 70 75 80

Trp Ser Xaa

<210> 52

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals stop translation

<400> 52

Met Phe Leu Val Phe Phe Leu Ser Phe Phe Ser His Ser Ile Ser Ala
1 5 10 15

Leu Thr Leu Val Cys Ser Gln Gly Gly Lys Ala Asp Met Asn Leu Leu
20 25 30

Ser Trp Asp Phe Arg Pro His Trp Leu Glu Gly Ile Arg Phe Leu Leu
35 40 45

Gly Trp Gly Gln Ala Leu Met Ala Gly Leu Phe Pro Trp Leu Xaa
50 55 60

<210> 53

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals stop translation

<400> 53

Met Arg Gly Ser Trp His Arg Ser Pro Leu Pro Ala Val Val Leu Pro
1 5 10 15

Ser Val Leu Gln Thr Ala Leu Ser Pro Leu Ala Leu Cys Gln Ala Trp
20 25 30

Arg Arg Ala Val Pro His Gly Val Pro Ser Gln Arg Leu Arg Asn Gln
35 40 45

Glu Ala Ser Leu Val Pro Lys Gly Val Pro Arg Ala Trp Tyr Pro Gly
50 55 60

Pro Leu Gln Asn Gly Leu Trp Thr His Leu Glu Lys Gly Glu Leu Leu
65 70 75 80

Gly Leu Lys Pro Thr Pro Gly Gly Leu Leu Leu Arg Ser Phe Trp
85 90 95

Asp Pro His Pro Ser Arg Pro Phe Leu Cys Thr Leu Leu Pro Pro Pro
100 105 110

Leu Xaa Ile Phe Pro Pro Leu Arg Cys Ser Ala Xaa
115 120

<210> 54

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (287)

<223> Xaa equals stop translation

<400> 55

Met Pro Leu Phe Lys Leu Tyr Met Val Met Ser Ala Cys Phe Leu Ala
 1 5 10 15

Ala Gly Ile Phe Trp Val Ser Ile Leu Cys Arg Asn Thr Tyr Ser Val
 20 25 30

Phe Lys Ile His Trp Leu Met Ala Ala Leu Ala Phe Thr Lys Ser Ile
 35 40 45

Ser Leu Leu Phe His Ser Ile Asn Tyr Tyr Phe Ile Asn Ser Gln Gly
 50 55 60

Pro Pro His Arg Arg Pro Cys Arg His Val Leu His Arg Thr Pro Ala
 65 70 75 80

Glu Gly Arg Pro Pro Leu His His His Arg Pro Asp Trp Leu Arg Leu
 85 90 95

Gly Phe Ile Lys Tyr Val Leu Ser Asp Lys Glu Lys Lys Val Phe Gly
 100 105 110

Ile Val Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile Ile
 115 120 125

Glu Ser Arg Glu Glu Gly Ala Thr Asn Tyr Val Leu Trp Lys Glu Ile
 130 135 140

Leu Phe Leu Val Asp Leu Ile Cys Cys Gly Ala Ile Leu Phe Pro Val
 145 150 155 160

Val Trp Ser Ile Arg His Leu Gln Asp Ala Ser Gly Thr Asp Gly Lys
 165 170 175

Val Ala Val Asn Leu Ala Lys Leu Lys Leu Phe Arg His Tyr Tyr Val
 180 185 190

Met Val Ile Cys Tyr Val Tyr Phe Thr Arg Ile Ile Ala Ile Leu Leu
 195 200 205

Gln Val Ala Val Pro Phe Gln Trp Gln Trp Leu Tyr Xaa Leu Leu Val
 210 215 220

Glu Gly Ser Thr Leu Ala Phe Phe Val Leu Thr Gly Tyr Lys Phe Gln
 225 230 235 240

Pro Thr Gly Asn Asn Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu Glu
 245 250 255

Asp Val Gln Met Glu Gln Val Met Thr Asp Ser Gly Phe Arg Glu Gly
 260 265 270

Leu Ser Lys Val Asn Lys Thr Ala Ser Gly Arg Glu Leu Leu Xaa
 275 280 285

<210> 56
 <211> 34
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 56
 Met Pro Met Val Phe Leu Leu Leu Phe Asn Leu Met Ser Trp Leu Ile
 1 5 10 15

Arg Asn Ala Arg Val Ile Leu Arg Ser Leu Asn Leu Lys Arg Asp Gln
 20 25 30

Val Xaa

<210> 57
 <211> 24
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (24)
 <223> Xaa equals stop translation

<400> 57
 Met Lys Ile Val Val Leu Leu Pro Leu Phe Leu Leu Ala Thr Phe Pro
 1 5 10 15

Arg Lys Leu Gln Thr Cys Leu Xaa
 20

<210> 58
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 58
 Met Ser Gly Gly Glu Gly Ala Ala Leu Pro Ile Leu Leu Leu Leu Leu
 1 5 10 15

Ala Leu Arg Gly Thr Phe His Gly Ala Arg Pro Gly Gly Gly Ala Ser

20

25

30

Gly Ile Trp Cys Leu Leu Leu Pro Glu Gln Glu Pro Pro Val Xaa
 35 40 45

<210> 59

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals stop translation

<400> 59

Met Ala Arg Gly Ser Leu Arg Arg Leu Leu Arg Leu Leu Val Leu Gly
 1 5 10 15

Leu Trp Leu Ala Leu Leu Arg Ser Val Ala Gly Glu Gln Ala Pro Gly
 20 25 30

Thr Ala Pro Cys Ser Arg Gly Ser Ser Trp Ser Ala Asp Leu Asp Lys
 35 40 45

Cys Met Asp Cys Ala Ser Cys Arg Ala Arg Pro His Ser Asp Phe Cys
 50 55 60

Leu Gly Cys Ala Ala Ala Pro Pro Ala Pro Phe Arg Leu Leu Trp Pro
 65 70 75 80

Ile Leu Gly Gly Ala Leu Ser Leu Thr Phe Val Leu Gly Leu Leu Ser
 85 90 95

Gly Phe Leu Val Trp Arg Arg Cys Arg Arg Glu Arg Ser Ser Pro Pro
 100 105 110

Pro Xaa

<210> 60

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 60

Met Val Cys Ile Leu Val Leu Thr Leu Val Ser Tyr Ser Ser Leu Val
 1 5 10 15

Asn Ser Pro Leu Pro Phe Val His Leu Xaa Val Gly Ile Ser Ala Xaa
 20 25 30

<210> 61
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals stop translation

<400> 61
 Met Thr Gly Gly Phe Leu Ser Cys Ile Leu Gly Leu Val Leu Pro Leu
 1 5 10 15

Ala Tyr Xaa Ser Ser Leu Thr Trp Cys Trp Trp Arg Trp Gly Leu Pro
 20 25 30

Xaa Pro Ala Gly Pro Pro Arg Cys Thr Pro Gly Cys Asn Ala Ser Gly
 35 40 45

Ala Gly Arg Gly Pro Ser Pro Gly Pro Pro Gly Gly Glu Leu His Thr
 50 55 60

Pro Ala Ser Arg Asp Pro Gly Pro Gly Ala Glu Trp Arg Gly Thr Ser
 65 70 75 80

Xaa

<210> 62
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 62
 Met Ala Ala Pro Val Asp Leu Glu Leu Lys Lys Ala Phe Thr Glu Leu
 1 5 10 15

Gln Ala Lys Val Ile Asp Thr Gln Gln Lys Val Lys Leu Ala Asp Ile
 20 25 30

Gln Ile Glu Gln Leu Ash Arg Thr Lys Lys His Ala His Leu Thr Asp
 35 40 45

Thr Glu Ile Met Thr Leu Val Asp Glu Thr Asn Met Tyr Glu Gly Val
 50 55 60

Gly Arg Met Phe Ile Leu Gln Ser Lys Glu Ala Ile His Ser Gln Leu
 65 70 75 80

Leu Glu Lys Gln Lys Ile Ala Glu Glu Lys Ile Lys Glu Leu Glu Gln
 85 90 95

Lys Lys Ser Tyr Leu Glu Arg Arg
 100

<210> 63

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (146)

<223> Xaa equals stop translation

<400> 63

Met Pro Ser Gly Phe Gln Thr Cys Leu Leu Phe Thr Leu Ser Pro Phe
 1 5 10 15

Ser Leu Ser Lys Ile Val Gly Val Pro Ser Gln Gln Leu Pro Gly Gln
 20 25 30

Leu Ser Glu Gln Gly Gly Leu Cys Gly His Glu Gly Glu Pro Ala Arg
 35 40 45

Thr Val Pro Glu Thr Gln Leu Pro Leu Pro Phe Asn Ser Ala Gly Pro
 50 55 60

Pro His Leu Lys Cys Thr Gly Ala Gly Lys Arg Val Trp Ser Pro Pro
 65 70 75 80

Arg Arg Ala Ala Gln Glu Val Ser Leu Gln Leu Val Ser Cys His Pro
 85 90 95

Cys Arg Gln His Thr Ser Arg Ala Phe Ser Leu Ala Thr Asp Arg Thr
 100 105 110

Ala Ser Ala Arg Val Cys Cys Arg Ser Pro Leu Ser Thr Leu Ile His
 115 120 125

His Thr Arg Gly Gly Gln Arg Cys Arg Glu His Gly Leu Ser Leu Pro
 130 135 140

Leu Xaa
145

<210> 64
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 64
Met Ala Ile Leu Met Leu Leu Ala Gly Ser Pro Cys Thr Leu Ser Phe
1 5 10 15

Ser Thr Asp Thr Gly Ser Ser Ala Pro Gly Pro Lys Ile Pro Xaa
20 25 30

<210> 65
<211> 260
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (260)
<223> Xaa equals stop translation

<400> 65
Met Asp Pro Gln Gly Gln Thr Leu Leu Leu Phe Leu Phe Val Asp Phe
1 5 10 15

His Ser Ala Phe Pro Val Gln Gln Met Glu Ile Trp Gly Val Tyr Thr
20 25 30

Leu Leu Thr Thr His Leu Asn Ala Ile Leu Val Glu Ser His Ser Val
35 40 45

Val Gln Gly Ser Ile Gln Phe Thr Val Asp Lys Val Leu Glu Gln His
50 55 60

His Gln Ala Ala Lys Ala Gln Gln Lys Leu Gln Ala Ser Leu Ser Val
65 70 75 80

Ala Val Asn Ser Ile Met Ser Ile Leu Thr Gly Ser Thr Arg Ser Ser
85 90 95

Phe Arg Lys Met Cys Leu Gln Thr Leu Gln Ala Ala Asp Thr Gln Glu
100 105 110

Phe Arg Thr Lys Leu His Lys Val Phe Arg Glu Ile Thr Gln His Gln
115 120 125

Phe Leu His His Cys Ser Cys Glu Val Lys Gln Leu Thr Leu Glu Lys

130

135

140

Lys Asp Ser Ala Gln Gly Thr Glu Asp Ala Pro Asp Asn Ser Ser Leu
 145 150 155 160

Glu Leu Leu Ala Asp Thr Ser Gly Gln Ala Glu Asn Lys Arg Leu Lys
 165 170 175

Arg Gly Ser Pro Arg Ile Glu Glu Met Arg Ala Leu Arg Ser Ala Arg
 180 185 190

Ala Pro Ser Pro Ser Glu Ala Ala Pro Arg Arg Pro Glu Ala Thr Ala
 195 200 205

Ala Pro Leu Thr Pro Arg Gly Arg Glu His Arg Glu Ala His Gly Arg
 210 215 220

Ala Leu Ala Pro Gly Arg Ala Ser Leu Gly Ser Arg Leu Glu Asp Val
 225 230 235 240

Leu Trp Leu Gln Glu Val Ser Asn Leu Ser Glu Trp Leu Ser Pro Ser
 245 250 255

Pro Gly Pro Xaa
 260

<210> 66

<211> 339

<212> PRT

<213> Homo sapiens

<400> 66

Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu Leu
 1 5 10 15

Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly Trp Asn
 20 25 30

Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His
 35 40 45

Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro Ile Pro Gln Leu
 50 55 60

Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys Val
 65 70 75 80

Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp Glu
 85 90 95

Cys Lys Thr Asp Leu Asp Ile Ala Tyr Lys Phe Gly Lys Thr Val Val
 100 105 110

Ser Cys Glu Gly Tyr Glu Ser Ser Glu Asp Gln Tyr Val Leu Arg Gly
 115 120 125

Ser Cys Gly Leu Glu Tyr Asn Leu Asp Tyr Thr Glu Leu Gly Leu Gln

130

135

140

Lys Leu Lys Glu Ser Gly Lys Gln His Gly Phe Ala Ser Phe Ser Asp
 145 150 155 160
 Tyr Tyr Tyr Lys Trp Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu
 165 170 175
 Ile Thr Ile Val Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu
 180 185 190
 Phe Leu Ser Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro
 195 200 205
 Pro Phe Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro
 210 215 220
 Pro Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His
 225 230 235 240
 Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly Tyr
 245 250 255
 Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly Gly Ile
 260 265 270
 Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro Phe Ser Asp
 275 280 285
 Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro Gly Thr Trp Asn
 290 295 300
 Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val Cys
 305 310 315 320
 Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala Ser Gly Tyr Gly Gly Thr
 325 330 335
 Arg Arg Arg

<210> 67

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals stop translation

<400> 67

Met His Ala Leu Ile Leu Gln Phe Ile Phe Ser Leu Cys Met Tyr Ile
 1 5 10 15

Ser Leu Phe Ser Ala Ala Arg Phe Leu Phe Xaa
 20 25

<210> 68
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 68
 Met Ser Gln Ser Val Ser Ser Ser Phe Leu Ile Leu Thr Leu Leu Leu
 1 5 10 15
 Ser Val Gly Phe Gln Cys Leu Thr Leu Tyr Thr Thr Val Thr Thr Thr
 20 25 30
 Cys Leu Trp Gly Pro Pro Arg Ala Ala Gly Arg Leu Phe Val Gln Ser
 35 40 45
 Leu Pro Ser Cys Glu Cys Cys Cys Arg Ala Arg Arg Gly Ala Val Xaa
 50 55 60
 Xaa Ser Pro Pro Trp Arg Pro Trp Pro Glu Gln Val
 65 70 75

<210> 69
 <211> 216
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals stop translation

<400> 69
 Met Tyr Leu Ser Ile Ile Phe Leu Ala Phe Val Ser Ile Asp Arg Cys
 1 5 10 15
 Leu Gln Leu Thr His Ser Cys Lys Ile Tyr Arg Ile Gln Glu Pro Gly
 20 25 30
 Phe Ala Lys Met Ile Ser Thr Val Val Trp Leu Met Val Leu Leu Ile
 35 40 45
 Met Val Pro Asn Met Met Ile Pro Ile Lys Asp Ile Lys Glu Lys Ser
 50 55 60
 Asn Val Gly Cys Met Glu Phe Lys Lys Glu Phe Gly Arg Asn Trp His

65 70 75 80
 Leu Leu Thr Asn Phe Ile Cys Val Ala Ile Phe Leu Asn Phe Ser Ala
 85 90 95
 Ile Ile Leu Ile Ser Asn Cys Leu Val Ile Arg Gln Leu Tyr Arg Asn
 100 105 110
 Lys Asp Asn Glu Asn Tyr Pro Asn Val Lys Lys Ala Leu Ile Asn Ile
 115 120 125
 Leu Leu Val Thr Thr Gly Tyr Ile Ile Cys Phe Val Pro Tyr His Ile
 130 135 140
 Val Arg Ile Pro Tyr Thr Leu Ser Gln Thr Glu Val Ile Thr Asp Cys
 145 150 155 160
 Ser Thr Arg Ile Ser Leu Phe Lys Ala Lys Glu Ala Thr Leu Leu Leu
 165 170 175
 Ala Val Ser Asn Leu Cys Phe Asp Pro Ile Leu Tyr Tyr His Leu Ser
 180 185 190
 Lys Ala Phe Arg Ser Lys Val Thr Glu Thr Phe Ala Ser Pro Lys Glu
 195 200 205
 Thr Lys Val Arg Lys Lys Asn Xaa
 210 215

 <210> 70
 <211> 407
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (407)
 <223> Xaa equals stop translation

 <400> 70
 Met His Pro Ala Val Phe Leu Ser Leu Pro Asp Leu Arg Cys Ser Leu
 1 5 10 15
 Leu Leu Leu Val Thr Trp Val Phe Thr Pro Val Thr Thr Glu Ile Thr
 20 25 30
 Ser Leu Asp Thr Glu Asn Ile Asp Glu Ile Leu Asn Asn Ala Asp Val
 35 40 45
 Ala Leu Val Asn Phe Tyr Ala Asp Trp Cys Arg Phe Ser Gln Met Leu
 50 55 60
 His Pro Ile Phe Glu Glu Ala Ser Asp Val Ile Lys Glu Glu Phe Pro
 65 70 75 80
 Asn Glu Asn Gln Val Val Phe Ala Arg Val Asp Cys Asp Gln His Ser
 85 90 95

Asp Ile Ala Gln Arg Tyr Arg Ile Ser Lys Tyr Pro Thr Leu Lys Leu
 100 105 110
 Phe Arg Asn Gly Met Met Met Lys Arg Glu Tyr Arg Gly Gln Arg Ser
 115 120 125
 Val Lys Ala Leu Ala Asp Tyr Ile Arg Gln Gln Lys Ser Asp Pro Ile
 130 135 140
 Gln Glu Ile Arg Asp Leu Ala Glu Ile Thr Thr Leu Asp Arg Ser Lys
 145 150 155 160
 Arg Asn Ile Ile Gly Tyr Phe Glu Gln Lys Asp Ser Asp Asn Tyr Arg
 165 170 175
 Val Phe Glu Arg Val Ala Asn Ile Leu His Asp Asp Cys Ala Phe Leu
 180 185 190
 Ser Ala Phe Gly Asp Val Ser Lys Pro Glu Arg Tyr Ser Gly Asp Asn
 195 200 205
 Ile Ile Tyr Lys Pro Pro Gly His Ser Ala Pro Asp Met Val Tyr Leu
 210 215 220
 Gly Ala Met Thr Asn Phe Asp Val Thr Tyr Asn Trp Ile Gln Asp Lys
 225 230 235 240
 Cys Val Pro Leu Val Arg Glu Ile Thr Phe Glu Asn Gly Glu Glu Leu
 245 250 255
 Thr Glu Glu Gly Leu Pro Phe Leu Ile Leu Phe His Met Lys Glu Asp
 260 265 270
 Thr Glu Ser Leu Glu Ile Phe Gln Asn Glu Val Ala Arg Gln Leu Ile
 275 280 285
 Ser Glu Lys Gly Thr Ile Asn Phe Leu His Ala Asp Cys Asp Lys Phe
 290 295 300
 Arg His Pro Leu Leu His Ile Gln Lys Thr Pro Ala Asp Cys Pro Val
 305 310 315 320
 Ile Ala Ile Asp Ser Phe Arg His Met Tyr Val Phe Gly Asp Phe Lys
 325 330 335
 Asp Val Leu Ile Pro Gly Lys Leu Lys Gln Phe Val Phe Asp Leu His
 340 345 350
 Ser Gly Lys Leu His Arg Glu Phe His His Gly Pro Asp Pro Thr Asp
 355 360 365
 Thr Ala Pro Gly Glu Gln Ala Gln Asp Val Ala Ser Ser Pro Pro Glu
 370 375 380
 Ser Ser Phe Gln Lys Leu Ala Pro Ser Glu Tyr Arg Tyr Thr Leu Leu
 385 390 395 400

Arg Asp Arg Asp Glu Leu Xaa
405

<210> 71
<211> 45
<212> PRT
<213> Homo sapiens

<400> 71
Met Ser Met Cys Ile His Ala Lys Lys His Leu Ile Cys Ile Cys Phe
1 5 10 15

Arg Lys Gly Gly Asn Glu Ala Thr Cys Leu Lys Ile Leu Leu Tyr Lys
20 25 30

Ala Phe Gln Pro Phe Pro Leu Ser Phe Ala Leu Ile Phe
35 40 45

<210> 72
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals stop translation

<400> 72
Met Pro Leu Lys Ala Val Thr Trp Pro Thr Leu Asn Ser Lys Leu Val
1 5 10 15

Ala Ala Val Val Asn Leu Lys Ala Ser Gln Met Pro Ala Ser Ser Arg
20 25 30

Val Xaa

<210> 73
<211> 160
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 73
Met Ala Pro Leu Ile Pro Ala Val Ala Arg Gly Ser Ser Phe Leu Leu
1 5 10 15

Leu His Ala Leu Thr Leu Trp Gly Ala Pro Phe Pro Thr Thr Trp Val
20 25 30

Ser Cys Gln Pro Arg Ser Val Leu Arg Pro Ser Pro Val Arg Pro Gly
 35 40 45

Val Pro Pro Leu Ala Ala Xaa Pro Leu Cys Ser Cys Val Ser Leu Phe
 50 55 60

Phe Phe Arg Val Val Leu His Val Ser Ser Ile Cys Gly Val Ala Leu
 65 70 75 80

Gly Pro Phe Arg Thr Gly Ala Pro Ala Gln Leu Leu Gly Pro Pro Pro
 85 90 95

Val Ala Gln Gly Arg Leu Phe Val Pro Gln Pro Gln Ala Val Ser Gly
 100 105 110

Glu Asn Arg Cys Val Val Pro Glu Leu Lys Phe Trp Glu Gly Gln Cys
 115 120 125

Pro Phe Leu Trp Gly Pro Gly Leu Val Leu His Cys Phe Lys Arg Ser
 130 135 140

Cys His Ser Asn Arg Gln Pro Cys Asn Arg Arg Ala Ala Cys Ser Pro
 145 150 155 160

<210> 74

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 74

Met Ala Gly Ile His Arg Ala Phe Leu Val Phe Cys Leu Trp Gly Leu
 1 5 10 15

Xaa Leu Cys Val Val Gly Gly Pro Trp Xaa
 20 25

<210> 75

<211> 91

<212> PRT

<213> Homo sapiens

<400> 75

Met Ala Ala Ala Glu Glu Glu Asp Gly Gly Pro Glu Ala Lys Ile Ala

1	5	10	15
Ser Gly Ala Gly Arg Ala Arg Pro Ser Asn Val Ile Tyr Val Trp Arg			
20	25	30	
Leu Leu Gly Lys Leu Trp Ser Val Cys Val Ala Thr Cys Thr Val Gly			
35	40	45	
His Val Phe Ile Ser Gly Trp Arg His Gly Gln Asn Gly Lys Ser Val			
50	55	60	
Gln Tyr Val Lys Leu Gly Ser Ala Glu Arg Arg Leu Ser Arg Phe Met			
65	70	75	80
Gly Glu Gly Ala Arg Ser Pro Arg Ile Pro Asp			
85	90		

<210> 76
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals stop translation

<400> 76
Met Thr Ile Trp Gln Leu Phe Ala Val Leu Ile Val Leu Phe Ala Lys
1 5 10 15
Ser Arg Glu Ile Ser Thr Glu Gly Glu Pro Cys Val Leu Ser Lys Asn
20 25 30

Xaa

<210> 77
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals stop translation

<400> 77
Met Leu Asn Pro Phe Xaa Gln Leu Leu Leu Val Leu Leu Phe Pro Glu
1 5 10 15

Trp Pro Thr Pro Leu His Xaa
20

<210> 78
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 78
Met Lys Thr Leu Phe Leu Gly Val Thr Leu Gly Leu Ala Ala Ala Leu
1 5 10 15

Ser Xaa Thr Leu Xaa Glu Glu Asp Ile Thr Gly Thr Trp Tyr Val Lys
20 25 30

Ala Met Val Val Asp Lys Thr Phe Arg Arg Gln Glu Ala Gln Lys Val
35 40 45

Ser Pro Val Lys Val Thr Ala Leu Gly Gly Gly Lys Leu Glu Ala Thr
50 55 60

Phe Thr Phe Met Arg Glu Asp Arg Cys Ile Gln Lys Lys Ile Leu Xaa
65 70 75 80

Arg Lys Thr Glu Glu Pro Gly Lys Tyr Ser Ala Cys Glu Pro Leu Pro
85 90 95

His Ser His Pro His Xaa Pro Pro Pro Pro Thr Pro Val His Gln Pro
100 105 110

Pro Gln Val Glu Ser Ala Gln Ala Ala Leu Leu Pro Gly Pro Gln Leu
115 120 125

Cys Pro Pro Pro Arg Arg Gly Trp Pro Leu Leu Pro Gly Gly Leu Val
130 135 140

Ala Leu Thr Ser Asp Thr Gly Cys Asp Arg Leu Val Arg Ser Arg Asp

145

150

155

160

Gly Pro Asp His Ala Cys Pro Leu Gly Gly Pro Ser His
165 170

<210> 79
<211> 208
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (186)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals stop translation

<400> 79
Met Ala Asp Ser Ser Tyr Thr Ser Glu Val Gln Ala Ile Leu Ala Phe
1 5 10 15

Leu Ser Leu Gln Arg Thr Gly Ser Gly Gly Pro Gly Asn His Pro His
20 25 30

Gly Pro Asp Ala Ser Ala Glu Gly Leu Asn Pro Tyr Gly Leu Val Ala
35 40 45

Pro Arg Phe Gln Arg Lys Phe Lys Ala Lys Gln Leu Thr Pro Arg Ile
50 55 60

Leu Glu Ala His Gln Asn Val Ala Gln Leu Ser Leu Ala Glu Ala Gln
65 70 75 80

Leu Arg Phe Ile Gln Ala Trp Gln Ser Leu Pro Asp Phe Gly Ile Ser
85 90 95

Tyr Val Met Val Arg Phe Lys Gly Ser Arg Lys Asp Glu Ile Leu Gly
100 105 110

Ile Ala Asn Asn Arg Leu Ile Arg Ile Asp Leu Ala Val Gly Asp Val
115 120 125

Val Lys Thr Trp Arg Phe Ser Asn Met Arg Gln Trp Asn Val Asn Trp
130 135 140

Asp Ile Arg Xaa Val Ala Ile Glu Phe Asp Glu His Ile Asn Val Ala
145 150 155 160

Phe Ser Cys Val Ser Ala Ser Cys Arg Ile Val His Glu Tyr Ile Gly

165

170

175

Gly Tyr Ile Phe Leu Ser Thr Arg Glu Xaa Ala Arg Gly Glu Glu Leu
 180 185 190

Asp Glu Asp Leu Phe Leu Gln Leu Thr Gly Gly His Glu Ala Phe Xaa
 195 200 205

<210> 80
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals stop translation

<400> 80
 Met Pro Ser Gly Phe Gln Thr Cys Leu Leu Phe Thr Leu Ser Pro Phe
 1 5 10 15

Ser Leu Ser Lys Ile Val Gly Val Pro Ser Gln Gln Leu Pro Gly Gln
 20 25 30

Leu Ser Glu Gln Gly Gly Leu Cys Gly His Glu Gly Glu Pro Ala Arg
 35 40 45

Thr Val Pro Glu Thr Gln Leu Pro Leu Pro Phe Asn Ser Ala Gly Pro
 50 55 60

Pro His Leu Lys Cys Thr Gly Ala Gly Lys Arg Val Trp Ser Pro Pro
 65 70 75 80

Arg Arg Ala Ala Gln Glu Val Ser Leu Gln Leu Val Ser Cys Xaa Pro
 85 90 95

Cys Arg Gln Xaa Thr Ser Arg Ala Phe Ser Leu Ala Thr Asp Arg Thr
 100 105 110

Ala Ser Ala Arg Val Cys Cys Arg Phe Pro Phe Lys His Thr His Ser
 115 120 125

Pro His Pro Arg Arg Pro Glu Val Gln Gly Ala Trp Ala Val Val Pro

130

135

140

Leu Xaa
145

<210> 81
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals stop translation

<400> 81
Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Thr Ala Cys Ser Ser
1 5 10 15

Ala Cys Ile Cys Phe Cys Xaa
20

<210> 82
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 82
Met Lys Thr Leu Phe Leu Gly Val Thr Leu Gly Leu Ala Leu Pro Cys
1 5 10 15

Pro Ser Pro Trp Xaa Arg Arg Ile Ser Gln Gly Pro Gly Thr Xaa
20 25 30

<210> 83
<211> 374
<212> PRT
<213> Homo sapiens

<400> 83
Met Ser Val Pro Ala Phe Ile Asp Ile Ser Glu Glu Asp Gln Ala Ala
1 5 10 15

Glu Leu Arg Ala Tyr Leu Lys Ser Lys Gly Ala Glu Ile Ser Glu Glu
20 25 30

Asn Ser Glu Gly Gly Leu His Val Asp Leu Ala Gln Ile Ile Glu Ala
 35 40 45
 Cys Asp Val Cys Leu Lys Glu Asp Asp Lys Asp Val Glu Ser Val Met
 50 55 60
 Asn Ser Val Val Ser Leu Leu Ile Leu Glu Pro Asp Lys Gln Glu
 65 70 75 80
 Ala Leu Ile Glu Ser Leu Cys Glu Lys Leu Val Lys Phe Arg Glu Gly
 85 90 95
 Glu Arg Pro Ser Leu Arg Leu Gln Leu Leu Ser Asn Leu Phe His Gly
 100 105 110
 Met Asp Lys Asn Thr Pro Val Arg Tyr Thr Val Tyr Cys Ser Leu Ile
 115 120 125
 Lys Val Ala Ala Ser Cys Gly Ala Ile Gln Tyr Ile Pro Thr Glu Leu
 130 135 140
 Asp Gln Val Arg Lys Trp Ile Ser Asp Trp Asn Leu Thr Thr Glu Lys
 145 150 155 160
 Lys His Thr Leu Leu Arg Leu Leu Tyr Glu Ala Leu Val Asp Cys Lys
 165 170 175
 Lys Ser Asp Ala Ala Ser Lys Val Met Val Glu Leu Leu Gly Ser Tyr
 180 185 190
 Thr Glu Asp Asn Ala Ser Gln Ala Arg Val Asp Ala His Arg Cys Ile
 195 200 205
 Val Arg Ala Leu Lys Asp Pro Asn Ala Phe Leu Phe Asp His Leu Leu
 210 215 220
 Thr Leu Lys Pro Val Lys Phe Leu Glu Gly Glu Leu Ile His Asp Leu
 225 230 235 240
 Leu Thr Ile Phe Val Ser Ala Lys Leu Ala Ser Tyr Val Lys Phe Tyr
 245 250 255
 Gln Asn Asn Lys Asp Phe Ile Asp Ser Leu Gly Leu Leu His Glu Gln
 260 265 270
 Asn Met Ala Lys Met Arg Leu Leu Thr Phe Met Gly Met Ala Val Glu
 275 280 285
 Asn Lys Glu Ile Ser Phe Asp Thr Met Gln Gln Glu Leu Gln Ile Gly
 290 295 300
 Ala Asp Asp Val Glu Ala Phe Val Ile Asp Ala Val Arg Thr Lys Met
 305 310 315 320
 Val Tyr Cys Lys Ile Asp Gln Thr Gln Arg Lys Val Val Val Ser His
 325 330 335

Ser Thr His Arg Thr Phe Gly Lys Gln Gln Trp Gln Gln Leu Tyr Asp
 340 345 350

Thr Leu Asn Ala Trp Lys Gln Asn Leu Asn Lys Val Lys Asn Ser Leu
 355 360 365

Leu Ser Leu Ser Asp Thr
 370

<210> 84
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 84
 Met Ser Val Pro Ala Phe Ile Asp Ile Ser Glu Glu Asp
 1 5 10

<210> 85
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 85
 Gln Ala Ala Glu Leu Arg Ala Tyr Leu Lys Ser Lys Gly Ala Glu
 1 5 10 15

<210> 86
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 86
 Ile Ser Glu Glu Asn Ser Glu Gly Gly Leu His Val Asp Leu Ala Gln
 1 5 10 15

Ile

<210> 87
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 87
 Ile Glu Ala Cys Asp Val Cys Leu Lys Glu Asp Asp Lys Asp Val Glu
 1 5 10 15

Ser Val

<210> 88
 <211> 16

<212> PRT
 <213> Homo sapiens

<400> 88
 Val Ala Arg Pro Ser Ser Leu Phe Arg Ser Ala Trp Ser Cys Glu Trp
 1 5 10 15

<210> 89
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 89
 Leu Arg Leu Gln Leu Leu Ser Asn Leu Phe His Gly
 1 5 10

<210> 90
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 90
 Lys Asp Val Glu Ser Val Met Asn Ser Val Val Ser Leu Leu Leu Ile
 1 5 10 15

Leu

<210> 91
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 91
 Asp Ala Ala Ser Lys Val Met Val Glu Leu Leu Gly Ser Tyr Thr Glu
 1 5 10 15

Asp Asn Ala Ser Gln Ala Arg Val Asp Ala
 20 25

<210> 92
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 92
 Val Glu Ala Phe Val Ile Asp Ala Val Arg
 1 5 10

<210> 93

<211> 18
 <212> PRT
 <213> Homo sapiens

<400> 93
 Lys Met Arg Leu Leu Thr Phe Met Gly Met Ala Val Glu Asn Lys Glu
 1 5 10 15

Ile Ser

<210> 94
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 94
 Met Glu Ala Val Pro Glu Gly Asp Trp Phe Cys Thr Val Cys Leu Ala
 1 5 10 15

Gln Gln Val Glu Gly Glu Phe Thr Gln Lys Pro Gly Phe Pro Lys Arg
 20 25 30

Gly Gln Lys Arg Lys Ser Gly Tyr Ser Leu Asn Phe Ser Glu Gly Asp
 35 40 45

Gly Arg Arg Arg Arg Val Leu Leu Arg Gly Arg Glu Ser Pro Ala Ala
 50 55 60

Gly Pro Arg Tyr Ser Glu Glu Gly Leu Ser Pro Ser Lys Arg Arg Arg
 65 70 75 80

Leu Ser Met Arg Asn His His Ser Asp Leu Thr Phe Cys Glu Ile Ile
 85 90 95

Leu Met Glu Met Glu Ser His Asp Ala Ala Trp Pro Phe Leu Glu Pro
 100 105 110

Val Asn Pro Arg Leu Val Ser Gly Tyr Arg Arg Ile Ile Lys Asn Pro
 115 120 125

Met Asp Phe Ser Thr Met Arg Glu Arg Leu Leu Arg Gly Gly Tyr Thr
 130 135 140

Ser Ser Glu Glu Phe Ala Ala Asp Ala Leu Leu Val Phe Asp Asn Cys
 145 150 155 160

Gln Thr Phe Asn Glu Asp Asp Ser Glu Val Gly Lys Ala Gly His Ile
 165 170 175

Met Arg Arg Phe Phe Glu Ser Arg Trp Glu Glu Phe Tyr Gln Gly Lys
 180 185 190

Gln Ala Asn Leu
 195

<400> 99

Met Arg Asn His His Ser Asp Leu Thr Phe Cys Glu Ile Ile Leu Met
 1 5 10 15

Glu Met Glu Ser His
 20

<210> 100
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 100
 Asp Ala Ala Trp Pro Phe Leu Glu Pro Val Asn Pro Arg Leu Val Ser
 1 5 10 15

Gly Tyr Arg Arg
 20

<210> 101
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 101
 Ile Ile Lys Asn Pro Met Asp Phe Ser Thr Met Arg Glu Arg Leu Leu
 1 5 10 15

Arg Gly Gly Tyr Thr
 20

<210> 102
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 102
 Ser Ser Glu Glu Phe Ala Ala Asp Ala Leu Leu Val Phe Asp Asn Cys
 1 5 10 15

Gln Thr Phe Asn Glu
 20

<210> 103
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 103
 Asp Asp Ser Glu Val Gly Lys Ala Gly His Ile Met Arg Arg Phe Phe
 1 5 10 15

Glu

<210> 104
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 104
 Ser Arg Trp Glu Glu Phe Tyr Gln Gly Lys Gln Ala Asn Leu
 1 5 10

<210> 105
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 105
 Met Ser Glu Ile Tyr Leu Arg Cys Gln Asp Glu Gln Gln Tyr Ala Arg
 1 5 10 15

Trp Met Ala Gly Cys Arg Leu Ala Ser Lys Gly Arg Thr Met Ala Asp
 20 25 30

Ser Ser Tyr
 35

<210> 106
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 106
 Leu Val Ala Pro Arg Phe Gln Arg Lys Phe Lys Ala Lys Gln Leu Thr
 1 5 10 15

Pro Arg Ile Leu Glu Ala His Gln Asn Val Ala Gln Leu Ser Leu Ala
 20 25 30

Glu Ala Gln Leu Arg Phe Ile Gln Ala Trp Gln Ser Leu
 35 40 45

<210> 107
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 107
 Val Gly Asp Val Val Lys Thr Trp Arg Phe Ser Asn Met Arg Gln Trp
 1 5 10 15

Asn Val Asn Trp Asp Ile Arg
 20

<210> 108
 <211> 26

<212> PRT
 <213> Homo sapiens

<400> 108
 Glu Glu Ile Asp Cys Thr Glu Glu Glu Met Met Val Phe Ala Ala Leu
 1 5 10 15

Gln Tyr His Ile Asn Lys Leu Ser Gln Ser
 20 25

<210> 109
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 109
 Glu Glu Ile Asp Cys Thr Glu Glu Glu Met Met Val Phe Ala Ala Leu
 1 5 10 15

Gln Tyr His Ile Asn Lys Leu Ser Gln Ser
 20 25

<210> 110
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 110
 Lys Glu Leu Ser Phe Ala Arg Ile Lys Ala Val Glu Cys Val Glu Ser
 1 5 10 15

Thr Gly Arg His Ile Tyr Phe Thr Leu Val
 20 25

<210> 111
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 111
 Gly Trp Asn Ala Gln Ile Thr Leu Gly Leu Val Lys Phe Lys Asn Gln
 1 5 10 15

Gln

<210> 112
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 112

Met Val Thr Thr Ile Val Leu Gly Arg Arg Phe Ile Gly Ser Ile Val
1 5 10 15

Lys Glu Ala Ser Gln Arg Gly Lys Val Ser Leu Phe Arg Ser Ile Leu
20 25 30

Leu Phe Leu Thr Arg Phe Thr Val Leu Thr Ala Thr Gly Trp Ser Leu
35 40 45

Cys Arg Ser Leu Ile His Leu Phe Arg Thr Tyr Ser Phe Leu Asn Leu
50 55 60

Leu Phe Leu Cys Tyr Pro Phe Gly Met Tyr Ile Pro Phe Leu Gln Leu
65 70 75 80

Asn Xaa Xaa Leu Arg Lys Thr Ser Leu Phe Asn His Met Ala Ser Met
85 90 95

Gly Pro Arg Glu Ala Val Ser Gly Leu Ala Lys Ser Arg Asp Tyr Leu
100 105 110

Leu Thr Leu Arg Glu Thr Trp Lys Gln His Xaa Arg Gln Leu Tyr Gly
115 120 125

Pro Asp Ala Met Pro Thr His Ala Cys Cys Leu Ser Pro Ser Leu Ile
130 135 140

Arg Ser Glu Val Glu Phe Leu Lys Met Asp Phe Asn Trp Arg Met Lys
145 150 155 160

Glu Val Leu Val Ser Ser Met Leu Ser Ala Tyr Tyr Val Ala Phe Val
165 170 175

Pro Val Trp Phe Val Lys Asn Thr His Tyr Tyr Asp Lys Arg Trp Ser
180 185 190

Cys Xaa Thr Leu Pro Ala Gly Val His Gln His Leu Arg Asp Pro His
195 200 205

Ala Ala Pro Ala Ala Cys Gln Leu Leu

210

215

<210> 113
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 113
 Met Val Thr Thr Ile Val Leu Gly Arg Arg Phe Ile Gly Ser Ile Val
 1 5 10 15

Lys Glu Ala Ser Gln Arg Gly Lys Val Ser
 20 25

<210> 114
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 114
 Leu Phe Arg Ser Ile Leu Leu Phe Leu Thr Arg Phe Thr Val Leu Thr
 1 5 10 15

Ala Thr Gly Trp Ser Leu Cys
 20

<210> 115
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 115
 Arg Ser Leu Ile His Leu Phe Arg Thr Tyr Ser Phe Leu Asn Leu Leu
 1 5 10 15

Phe Leu Cys Tyr Pro Phe Gly Met Tyr Ile Pro Phe Leu Gln
 20 25 30

<210> 116
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 116

206

Leu Asn Xaa Xaa Leu Arg Lys Thr Ser Leu Phe Asn His Met Ala Ser
 1 5 10 15

Met Gly Pro Arg Glu Ala Val Ser Gly Leu Ala Lys Ser Arg
 20 25 30

<210> 117
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 117
 Asp Tyr Leu Leu Thr Leu Arg Glu Thr Trp Lys Gln His Xaa Arg Gln
 1 5 10 15

Leu Tyr Gly Pro Asp Ala Met Pro Thr His Ala Cys Cys Leu
 20 25 30

<210> 118
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 118
 Ser Pro Ser Leu Ile Arg Ser Glu Val Glu Phe Leu Lys Met Asp Phe
 1 5 10 15

Asn Trp Arg Met Lys Glu Val Leu Val Ser Ser Met Leu Ser Ala
 20 25 30

<210> 119
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 119
 Tyr Tyr Val Ala Phe Val Pro Val Trp Phe Val Lys Asn Thr His Tyr
 1 5 10 15

Tyr Asp Lys Arg Trp Ser Cys Xaa Thr Leu Pro
 20 25

<210> 120
 <211> 20

<212> PRT
 <213> Homo sapiens

<400> 120
 Ala Gly Val His Gln His Leu Arg Asp Pro His Ala Ala Pro Ala Ala
 1 5 10 15

Cys Gln Leu Leu
 20

<210> 121
 <211> 16
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 121
 Leu Val Leu Gly Leu Ser Xaa Leu Asn Asn Ser Tyr Asn Phe Ser Phe
 1 5 10 15

<210> 122
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 122
 His Val Val Ile Gly Ser Gln Ala Glu Glu Gly Gln Tyr Ser Leu Asn
 1 5 10 15

Phe

<210> 123
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 123
 His Asn Cys Asn Asn Ser Val Pro Gly Lys Glu His Pro Phe Asp Ile
 1 5 10 15

Thr Val Met

<210> 124
 <211> 17
 <212> PRT

<213> Homo sapiens

<400> 124

Phe Ile Lys Tyr Val Leu Ser Asp Lys Glu Lys Lys Val Phe Gly Ile
1 5 10 15

Val

<210> 125

<211> 13

<212> PRT

<213> Homo sapiens

<400> 125

Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile
1 5 10

<210> 126

<211> 13

<212> PRT

<213> Homo sapiens

<400> 126

Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile
1 5 10

<210> 127

<211> 15

<212> PRT

<213> Homo sapiens

<400> 127

Asp Gly Lys Val Ala Val Asn Leu Ala Lys Leu Lys Leu Phe Arg
1 5 10 15

<210> 128

<211> 13

<212> PRT

<213> Homo sapiens

<400> 128

Ile Arg Glu Lys Asn Pro Asp Gly Phe Leu Ser Ala Ala
1 5 10

<210> 129

<211> 9

<212> PRT

<213> Homo sapiens

<400> 129

Met Met Phe Gly Gly Tyr Glu Thr Ile
1 5

<210> 130
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 130
 Tyr Arg Asp Glu Ser Ser Ser Glu Leu Ser Val Asp Ser Glu Val Glu
 1 5 10 15

Phe Gln Leu Tyr Ser Gln Ile His
 20

<210> 131
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 131
 Tyr Ala Gln Asp Leu Asp Asp Val Ile Arg Glu Glu Glu His Glu Glu
 1 5 10 15

Lys Asn Ser Gly Asn Ser Glu Ser Ser Ser Ser Lys Pro Asn Gln Lys
 20 25 30

Lys Leu Ile Val Leu Ser Asp Ser Glu Val Ile Gln Leu Ser Asp Gly
 35 40 45

Ser Glu Val Ile Thr Leu Ser Asp Glu Asp Ser Ile Tyr Arg Cys Lys
 50 55 60

Gly Lys Asn Val Arg Val Gln Ala Gln Glu Asn Ala His Gly Leu Ser
 65 70 75 80

Ser Ser Leu Gln Ser Asn Glu Leu Val Asp Lys Lys Cys Lys Ser Asp
 85 90 95

Ile Glu Lys Pro Lys Ser Glu Glu Arg Ser Gly Val Ile Arg Glu Val
 100 105 110

Met Ile Ile Glu Val Ser Ser Ser Glu Glu Glu Glu Ser Thr Ile Ser
 115 120 125

Glu Gly Asp Asn Val Glu Ser Trp
 130 135

<210> 132
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 132
 Met Leu Leu Gly Cys Glu Val Asp Asp Lys Asp Asp Asp Ile Leu Leu
 1 5 10 15

Asn Leu Val Gly Cys Glu Asn Ser Val Thr Glu Gly Glu Asp Gly Ile
 20 25 30

Asn Trp Ser Ile Ser
 35

<210> 133
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 133
 Asp Lys Asp Ile Glu Ala Gln Ile Ala Asn Asn Arg Thr Pro Gly Arg
 1 5 10 15

Trp Thr

<210> 134
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 134
 Gln Arg Tyr Tyr Ser Ala Asn Lys Asn Ile Ile Cys Arg Asn Cys Asp
 1 5 10 15

Lys Arg Gly His Leu Ser Lys Asn Cys Pro Leu Pro Arg Lys Val
 20 25 30

<210> 135
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 135
 Arg Arg Cys Phe Leu Cys Ser Arg Arg Gly His Leu Leu Tyr Ser Cys
 1 5 10 15

Pro Ala Pro Leu Cys Glu Tyr Cys Pro Val Pro Lys Met Leu Asp His
 20 25 30

Ser Cys Leu Phe Arg His Ser Trp Asp Lys Gln Cys Asp Arg Cys His
 35 40 45

Met Leu Gly His Tyr Thr Asp Ala Cys Thr Glu Ile Trp Arg Gln Tyr
50 55 60

His Leu Thr Thr Lys Pro Gly Pro Pro Lys Lys Pro Lys Thr Pro Ser
65 70 75 80

Arg Pro Ser Ala Leu Ala Tyr Cys Tyr His Cys Ala Gln Lys Gly His
85 90 95

Tyr Gly His Glu Cys Pro Glu Arg Glu Val Tyr Asp Pro Ser Pro Val
100 105 110

Ser Pro Phe Ile Cys Tyr Tyr Xaa Asp Lys Tyr Glu Ile Gln Glu Arg
115 120 125

Glu Lys Arg Leu Lys Gln Lys Ile Lys Val Xaa Lys Lys Asn Gly Val
130 135 140

Ile Pro Glu Pro Ser Lys Leu Pro Tyr Ile Lys Ala Ala Asn Glu Asn
145 150 155 160

Pro His His Asp Ile Arg Lys Gly Arg Ala Ser Trp Lys Ser Asn Arg
165 170 175

Trp Pro Gln

<210> 136

<211> 416

<212> PRT

<213> Homo sapiens

<400> 136

Met Ser Phe Pro Pro His Leu Asn Arg Pro Pro Met Gly Ile Pro Ala
1 5 10 15

Leu Pro Pro Gly Ile Pro Pro Pro Gln Phe Pro Gly Phe Pro Pro Pro
20 25 30

Val Pro Pro Gly Thr Pro Met Ile Pro Val Pro Met Ser Ile Met Ala
35 40 45

Pro Ala Pro Thr Val Leu Val Pro Thr Val Ser Met Val Gly Lys His
50 55 60

Leu Gly Ala Arg Lys Asp His Pro Gly Leu Lys Ala Lys Glu Asn Asp
65 70 75 80

Glu Asn Cys Gly Pro Thr Thr Thr Val Phe Val Gly Asn Ile Ser Glu
85 90 95

Lys Ala Ser Asp Met Leu Ile Arg Gln Leu Leu Ala Lys Cys Gly Leu
100 105 110

Val Leu Ser Trp Lys Arg Val Gln Gly Ala Ser Gly Lys Leu Gln Ala
115 120 125

Phe Gly Phe Cys Glu Tyr Lys Glu Pro Glu Ser Thr Leu Arg Ala Leu
 130 135 140
 Arg Leu Leu His Asp Leu Gln Ile Gly Glu Lys Lys Leu Leu Val Lys
 145 150 155 160
 Val Asp Ala Lys Thr Lys Ala Gln Leu Asp Glu Trp Lys Ala Lys Lys
 165 170 175
 Lys Ala Ser Asn Gly Asn Ala Arg Pro Glu Thr Val Thr Asn Asp Asp
 180 185 190
 Glu Glu Ala Leu Asp Glu Glu Thr Lys Arg Arg Asp Gln Met Ile Lys
 195 200 205
 Gly Ala Ile Glu Val Leu Ile Arg Glu Tyr Ser Ser Glu Leu Asn Ala
 210 215 220
 Pro Ser Gln Glu Ser Asp Ser His Pro Arg Lys Lys Lys Lys Glu Lys
 225 230 235 240
 Lys Glu Asp Ile Phe Arg Arg Phe Pro Val Ala Pro Leu Ile Pro Tyr
 245 250 255
 Pro Leu Ile Thr Lys Glu Asp Ile Asn Ala Ile Glu Met Glu Glu Asp
 260 265 270
 Lys Arg Asp Leu Ile Ser Arg Glu Ile Ser Lys Phe Arg Asp Thr His
 275 280 285
 Lys Lys Leu Glu Glu Glu Lys Gly Lys Lys Glu Lys Glu Arg Gln Glu
 290 295 300
 Ile Glu Lys Glu Arg Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg
 305 310 315 320
 Glu Arg Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 325 330 335
 Lys Glu Lys Glu Arg Glu Arg Glu Arg Glu Arg Asp Arg Asp Arg Asp
 340 345 350
 Arg Thr Lys Glu Arg Asp Arg Asp Arg Asp Arg Glu Arg Asp Arg Asp
 355 360 365
 Arg Asp Arg Glu Arg Ser Ser Asp Arg Asn Lys Asp Arg Ile Arg Ser
 370 375 380
 Arg Glu Lys Ser Arg Asp Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 385 390 395 400
 Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 405 410 415

<210> 137
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 137
 Met Ser Phe Pro Pro His Leu Asn Arg Pro Pro Met Gly Ile Pro Ala
 1 5 10 15
 Leu Pro Pro Gly Ile Pro Pro Pro Gln Phe Pro Gly Phe Pro Pro Pro
 20 25 30
 Val Pro Pro Gly Thr Pro Met Ile Pro Val Pro
 35 40

<210> 138
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 138
 Met Ser Ile Met Ala Pro Ala Pro Thr Val Leu Val Pro Thr Val Ser
 1 5 10 15
 Met Val Gly Lys His Leu Gly Ala Arg Lys Asp His Pro Gly Leu Lys
 20 25 30
 Ala Lys Glu
 35

<210> 139
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 139
 Asn Asp Glu Asn Cys Gly Pro Thr Thr Thr Val Phe Val Gly Asn Ile
 1 5 10 15
 Ser Glu Lys Ala Ser Asp Met Leu Ile Arg Gln Leu Leu Ala Lys Cys
 20 25 30
 Gly Leu Val Leu Ser Trp Lys Arg Val
 35 40

<210> 140
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 140
 Gln Gly Ala Ser Gly Lys Leu Gln Ala Phe Gly Phe Cys Glu Tyr Lys
 1 5 10 15
 Glu Pro Glu Ser Thr Leu Arg Ala Leu Arg Leu Leu His Asp Leu Gln

20

25

30

Ile Gly Glu Lys Lys Leu Leu Val
35 40

<210> 141
<211> 39
<212> PRT
<213> Homo sapiens

<400> 141
Lys Val Asp Ala Lys Thr Lys Ala Gln Leu Asp Glu Trp Lys Ala Lys
1 5 10 15

Lys Lys Ala Ser Asn Gly Asn Ala Arg Pro Glu Thr Val Thr Asn Asp
20 25 30

Asp Glu Glu Ala Leu Asp Glu
35

<210> 142
<211> 40
<212> PRT
<213> Homo sapiens

<400> 142
Glu Thr Lys Arg Arg Asp Gln Met Ile Lys Gly Ala Ile Glu Val Leu
1 5 10 15

Ile Arg Glu Tyr Ser Ser Glu Leu Asn Ala Pro Ser Gln Glu Ser Asp
20 25 30

Ser His Pro Arg Lys Lys Lys Lys
35 40

<210> 143
<211> 44
<212> PRT
<213> Homo sapiens

<400> 143
Glu Lys Lys Glu Asp Ile Phe Arg Arg Phe Pro Val Ala Pro Leu Ile
1 5 10 15

Pro Tyr Pro Leu Ile Thr Lys Glu Asp Ile Asn Ala Ile Glu Met Glu
20 25 30

Glu Asp Lys Arg Asp Leu Ile Ser Arg Glu Ile Ser
35 40

<210> 144
<211> 41
<212> PRT
<213> Homo sapiens

<400> 144

Lys Phe Arg Asp Thr His Lys Lys Leu Glu Glu Glu Lys Gly Lys Lys
 1 5 10 15

Glu Lys Glu Arg Gln Glu Ile Glu Lys Glu Arg Arg Glu Arg Glu Arg
 20 25 30

Glu Arg Glu Arg Glu Arg Glu Arg Arg
 35 40

<210> 145

<211> 93

<212> PRT

<213> Homo sapiens

<400> 145

Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Lys Glu Lys
 1 5 10 15

Glu Arg Glu Arg Glu Arg Glu Arg Asp Arg Asp Arg Asp Arg Thr Lys
 20 25 30

Glu Arg Asp Arg Asp Arg Asp Arg Glu Arg Asp Arg Asp Arg Asp Arg
 35 40 45

Glu Arg Ser Ser Asp Arg Asn Lys Asp Arg Ile Arg Ser Arg Glu Lys
 50 55 60

Ser Arg Asp Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg
 65 70 75 80

Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 85 90

<210> 146

<211> 52

<212> PRT

<213> Homo sapiens

<400> 146

Arg Asp Arg Asp Arg Asp Arg Glu Arg Ser Ser Asp Arg Asn Lys Asp
 1 5 10 15

Arg Ile Arg Ser Arg Glu Lys Ser Arg Asp Arg Glu Arg Glu Arg Glu
 20 25 30

Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 35 40 45

Arg Glu Arg Glu
 50

<210> 147

<211> 22

<212> PRT
 <213> Homo sapiens

<400> 147
 Lys Pro Gln Met Glu Gly Arg Leu Val Gly Gly Gly Gly Ser Phe Ser
 1 5 10 15

Ser Arg Gly Arg His Pro
 20

<210> 148
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 148
 Leu Leu Val Pro Ser Pro Ser Leu Leu Pro Ala Val Ser Ser Tyr His
 1 5 10 15

Leu Pro Leu Gly Arg Gly Leu Ile Arg
 20 25

<210> 149
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 149
 Glu Gln Gly Ser Ala Val Arg Ser Pro Ala Phe Pro Val Arg Gln Ala
 1 5 10 15

Trp Leu Pro Cys Ser Gly Ser
 20

<210> 150
 <211> 151
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 150
 Met Gly Leu Asn Pro Pro Gly Leu Thr Ser Ala Leu Lys Pro Gln Met
 1 5 10 15

Glu Gly Arg Leu Val Gly Gly Gly Gly Ser Phe Ser Ser Arg Gly Arg
 20 25 30

His Pro Ala Gly Trp Val Leu Pro Gln Pro Cys Leu Leu Leu Ser Pro
 35 40 45

Thr Leu Ser Phe Pro Pro Ala Cys Gly Leu Leu Val Pro Ser Pro Ser

50

55

60

Leu Leu Pro Ala Val Ser Ser Tyr His Leu Pro Leu Gly Arg Gly Leu
65 70 75 80

Ile Arg Pro Ala Phe Lys Ile Lys Val Cys Ser Lys Leu Thr Val Trp
85 90 95

Cys Ser Leu Pro Ser Pro Ser Arg Trp Arg Cys Cys His Gly Asn Ala
100 105 110

Val Ala Leu Pro Ala Leu Gly Pro Trp Arg Xaa Trp Glu Gln Gly Ser
115 120 125

Ala Val Arg Ser Pro Ala Phe Pro Val Arg Gln Ala Trp Leu Pro Cys
130 135 140

Ser Gly Ser Leu Thr Ser Trp
145 150

<210> 151

<211> 64

<212> PRT

<213> Homo sapiens

<400> 151

Asn Val Thr Lys Ile Thr Leu Glu Ser Phe Leu Ala Trp Lys Lys Arg
1 5 10 15

Lys Arg Gln Glu Lys Ile Asp Lys Leu Glu Gln Asp Met Glu Arg Arg
20 25 30

Lys Ala Asp Phe Lys Ala Gly Lys Ala Leu Val Ile Ser Gly Arg Glu
35 40 45

Val Phe Glu Phe Arg Pro Glu Leu Val Asn Asp Asp Asp Glu Glu Ala
50 55 60

<210> 152

<211> 22

<212> PRT

<213> Homo sapiens

<400> 152

Glu Arg Arg Lys Ala Asp Phe Lys Ala Gly Lys Ala Leu Val Ile Ser
1 5 10 15

Gly Arg Glu Val Phe Glu
20

<210> 153

<211> 89

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 153
 Met Cys Asp Glu Leu Pro Gly Glu Gly Arg Trp Glu Pro Gly Gln Asp
 1 5 10 15
 Arg Lys Leu Cys Leu Ser Phe Pro Leu Gly Thr Pro Ala Arg Pro Ile
 20 25 30
 Lys Ser Val Cys Pro Thr Leu Leu Ser Leu Val Phe Leu Ser Arg Gly
 35 40 45
 Met Glu Gln Arg Val Arg Glu Ala Val Ala Val Ser Thr Ser Ala Pro
 50 55 60
 Ala Pro Ser Ala Ser Glu Pro Phe Leu Ser Trp Gly Met Gly Leu Ala
 65 70 75 80
 Xaa Phe Ser Phe Pro Phe Leu Tyr Leu
 85

<210> 154
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 154
 Gly Ala Ser Leu Gly Ser Ser Ser Ser Cys Pro Ser His Ser Trp Trp
 1 5 10 15
 Gly Gln Arg Ser Val Cys Arg Glu Thr Ala Ser Pro Leu Pro Arg Trp
 20 25 30
 Met Leu Tyr Leu Asp Gly Leu Ala Thr Ser His Phe Leu His His Pro
 35 40 45
 Glu Pro His Leu Leu Pro Ser Pro Gly Val Phe Thr Arg Leu Cys Cys
 50 55 60
 His Leu Cys Pro Gly His Xaa Ser Leu Ser Gly Cys Val Met Asn Ser
 65 70 75 80
 Gln Glu Arg Glu Asp Gly Ser Gln Gly Lys Ile Gly Ser Ser Ala
 85 90 95

<210> 155
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 155
 Thr Ser Val Leu Ser Ser Ser Ser Val Tyr Cys Met Gln Ala Arg Lys
 1 5 10 15
 Leu Ser Val Ser Gln Arg Tyr Arg Lys Gly Lys Glu Lys Xaa Ala Arg
 20 25 30
 Pro Ile Pro Gln Glu Arg Lys Gly Ser Asp Ala Glu Gly Ala Gly Ala
 35 40 45
 Glu Val Glu Thr Ala Thr Ala Ser Leu Thr Leu Cys Ser Ile Pro Leu
 50 55 60
 Leu Lys Lys Thr Arg Leu Ser Arg Val Gly Gln Thr Leu Phe Ile Gly
 65 70 75 80
 Leu Ala Gly Val Pro Ser Gly Lys Leu Arg Gln Ser Phe Leu Ser Cys
 85 90 95
 Pro Gly Ser His Leu Pro Ser Pro Gly Ser Ser Ser His Ile Pro Arg
 100 105 110
 Gly Lys Xaa Val Leu Gly Arg Gly Gly Ser Lys Ala Gly
 115 120 125

<210> 156
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 156
 Ala Leu Val Lys Gly Thr Gly Arg Glu Lys Arg Arg Xaa Gln Gly Pro

1 5 10 15
 Ser Pro Lys Lys Gly Arg Ala Leu Met Gln Arg Glu Gln Glu Leu Arg
 20 25 30
 Trp Arg Arg Pro Leu Pro Leu Ser Pro Ser Val Pro Ser Leu Cys Ser
 35 40 45
 Arg Lys Pro Gly Leu Ala Glu Trp Asp Arg Arg Phe Leu Leu Val Trp
 50 55 60
 Leu Ala Cys Leu Val Glu Ser Ser Gly Arg Ala Ser Tyr Leu Ala Leu
 65 70 75 80
 Ala Pro Ile Phe Pro Leu Leu Gly Val His His Thr Ser Arg Glu Gly
 85 90 95
 Xaa Val Ser Trp Ala Glu Val Ala Ala Lys Pro Gly Lys Asn Ser Arg
 100 105 110
 Ala Gly Lys Gln Met Gly Leu Arg Val Met Gln Lys Met
 115 120 125

<210> 157
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 157
 Ser Phe Pro Leu Gly Thr Pro Ala Arg Pro Ile Lys Ser Val Cys Pro
 1 5 10 15
 Thr Leu Leu Ser Leu Val Phe Leu Ser Arg Gly Met Glu Gln Arg Val
 20 25 30

<210> 158
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 158
 Thr Ala Ser Pro Leu Pro Arg Trp Met Leu Tyr Leu Asp Gly Leu Ala
 1 5 10 15
 Thr Ser His Phe Leu His His Pro Glu Pro His Leu Leu Pro Ser
 20 25 30

<210> 159
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 159

Arg Lys Gly Ser Asp Ala Glu Gly Ala Gly Ala Glu Val Glu Thr Ala
 1 5 10 15

Thr Ala Ser Leu Thr Leu Cys Ser Ile Pro Leu Leu Lys Lys Thr
 20 25 30

<210> 160

<211> 25

<212> PRT

<213> Homo sapiens

<400> 160

Gln Arg Glu Gln Glu Leu Arg Trp Arg Arg Pro Leu Pro Leu Ser Pro
 1 5 10 15

Ser Val Pro Ser Leu Cys Ser Arg Lys
 20 25

<210> 161

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 161

Pro Leu Leu Gly Val His His Thr Ser Arg Glu Gly Xaa Val Ser Trp
 1 5 10 15

Ala Glu Val Ala Ala Lys Pro Gly Lys Asn Ser Arg Ala
 20 25

<210> 162

<211> 73

<212> PRT

<213> Homo sapiens

<400> 162

Met Ser Val Leu Lys Gly Glu Arg Gln Gln Thr Leu Ala Leu Ala Val
 1 5 10 15

Leu Ser Val Ala Lys Glu Asn Ala Arg Asp Val Cys Cys Leu Gln Gly
 20 25 30

Trp Gln Asp Thr Ser Cys Arg Asp Thr Ser Cys Ala Ala Leu Arg Gly
 35 40 45

Gly Leu Gln Thr Leu Phe Pro Ala Pro Val His Phe Arg Cys Gly Gly
 50 55 60

Pro Ala Glu Leu Lys Gly Arg Gly Ser

222

70

<400> 166
Pro His Gln Val Glu Gly Arg Leu Gly Thr Met Glu Thr Trp Asp Ser

[illegible]

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<210> 168
<211> 32
<212> PRT
<213> Homo sapiens
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<400> 168
Glu Gly Leu Leu His Cys Arg Ile Pro Leu Lys Gly Ser Trp Val Gln
1 5 10 15
Glu Pro Ser Cys Gln Tyr Gln Trp Arg Arg Thr Arg Cys Met Gly Ile
20 25 30

<210> 169
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 169
 Gln Asn Ser Thr Gln Gly Ile Leu Gly Pro Gly Ala Glu Leu Pro Val
 1 5 10 15
 Ser Val Glu Lys Asp Lys Val His Gly Asp Pro Ala Ser
 20 25

<210> 170
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 170
 Phe Gly Thr Arg Lys Lys Tyr His Leu Cys Met Ile Pro Asn Leu Asp
 1 5 10 15
 Leu Asn Leu Asp Arg Asp Leu Val Leu Pro Asp Val Ser Tyr Gln Val
 20 25 30
 Glu Ser Ser Glu Glu Asp Gln Ser Gln Thr
 35 40

<210> 171
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 171
 Phe Leu Leu Ser Leu Gly Ser Leu Val Met Leu Leu Gln Asp Leu Val
 1 5 10 15
 His Ser Glu Leu Asp Gly Thr Leu His Tyr Thr Val Ala Leu His Lys
 20 25 30
 Asp Gly Ile Glu Met Ser Cys Glu Gln Ser Ile Asp Ser Pro Asp Phe
 35 40 45
 His Leu Leu Asp Trp Lys Cys Thr Val Glu Ile His Lys Glu Lys Lys
 50 55 60
 Gln Gln Ser Leu Ser Leu Arg Ile His Ser Leu Arg Leu Ile Leu Leu
 65 70 75 80
 Thr Gly Phe His Leu Ile Thr Xaa Ile Trp Lys His Gln Ile Ser Ile
 85 90 95

Gln Ile Glu Ile Gln Ile Gly Tyr His Thr Gln Met Val Phe Phe Pro
 100 105 110

Arg Ala Glu
 115

<210> 172
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 172
 Val His Ser Glu Leu Asp Gly Thr Leu His Tyr Thr Val Ala Leu His
 1 5 10 15

Lys Asp Gly Ile Glu Met Ser Cys Glu Gln
 20 25

<210> 173
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 173
 Gln Ser Leu Ser Leu Arg Ile His Ser Leu Arg Leu Ile Leu Leu Thr
 1 5 10 15

Gly Phe His Leu Ile Thr Xaa Ile Trp Lys His Gln
 20 25

<210> 174
 <211> 340
 <212> PRT
 <213> Homo sapiens

<400> 174
 Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Thr Ala Cys Ser Ser
 1 5 10 15

Ala Cys Ile Cys Phe Cys Asp Arg Gly Pro Cys Leu Gly Trp Asn Asp
 20 25 30

Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His Tyr
 35 40 45

Asp Arg Tyr Thr Thr Ser Arg Ser Trp Ile Pro Ser His Ser Pro Gln
 50 55 60

Leu Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys

65		70		75		80									
Val	Ile	Gln	Cys	Gln	Asn	Lys	Gly	Trp	Asp	Gly	Tyr	Asp	Val	Gln	Trp
				85					90					95	
Glu	Cys	Lys	Thr	Asp	Leu	Asp	Ile	Ala	Tyr	Lys	Phe	Gly	Lys	Thr	Val
			100					105					110		
Val	Ser	Cys	Glu	Gly	Tyr	Glu	Ser	Ser	Glu	Asp	Gln	Tyr	Val	Leu	Arg
		115					120					125			
Gly	Ser	Cys	Gly	Leu	Glu	Tyr	Asn	Leu	Asp	Tyr	Thr	Glu	Leu	Gly	Leu
	130					135					140				
Gln	Lys	Leu	Lys	Glu	Ser	Gly	Lys	Gln	His	Gly	Phe	Ala	Ser	Phe	Ser
145					150					155					160
Asp	Tyr	Tyr	Tyr	Lys	Trp	Ser	Ser	Ala	Asp	Ser	Cys	Asn	Met	Ser	Gly
				165					170					175	
Leu	Ile	Thr	Ile	Val	Val	Leu	Leu	Gly	Ile	Ala	Phe	Val	Val	Tyr	Lys
			180					185					190		
Leu	Phe	Leu	Ser	Asp	Gly	Gln	Tyr	Ser	Pro	Pro	Pro	Tyr	Ser	Glu	Tyr
		195					200					205			
Pro	Pro	Phe	Ser	His	Arg	Tyr	Gln	Arg	Phe	Thr	Asn	Ser	Ala	Gly	Pro
		210				215					220				
Pro	Pro	Pro	Gly	Phe	Lys	Ser	Glu	Phe	Thr	Gly	Pro	Gln	Asn	Thr	Gly
225					230					235					240
His	Gly	Ala	Thr	Ser	Gly	Phe	Gly	Ser	Ala	Phe	Thr	Gly	Gln	Gln	Gly
				245					250					255	
Tyr	Glu	Asn	Ser	Gly	Pro	Gly	Phe	Trp	Thr	Gly	Leu	Gly	Thr	Gly	Gly
			260					265					270		
Ile	Leu	Gly	Tyr	Leu	Phe	Gly	Ser	Asn	Arg	Ala	Ala	Thr	Pro	Phe	Ser
		275					280					285			
Asp	Ser	Trp	Tyr	Tyr	Pro	Ser	Tyr	Pro	Pro	Ser	Tyr	Pro	Gly	Thr	Trp
		290				295					300				
Asn	Arg	Ala	Tyr	Ser	Pro	Leu	His	Gly	Gly	Ser	Gly	Ser	Tyr	Ser	Val
305					310					315					320
Cys	Ser	Asn	Ser	Asp	Thr	Lys	Thr	Arg	Thr	Ala	Ser	Gly	Tyr	Gly	Gly
				325					330					335	
Thr	Arg	Arg	Arg												
			340												

<210> 175

<211> 24

<212> PRT

<213> Homo sapiens

<400> 175

Ala Cys Ser Ser Ala Cys Ile Cys Phe Cys Asp Arg Gly Pro Cys Leu
 1 5 10 15

Gly Trp Asn Asp Pro Asp Arg Met
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<210> 176

<211> 26

<212> PRT

<213> Homo sapiens

<400> 176

Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys Val Ile Gln Cys Gln Asn
 1 5 10 15

Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp
 20 25

<210> 177

<211> 32

<212> PRT

<213> Homo sapiens

<400> 177

Glu Tyr Asn Leu Asp Tyr Thr Glu Leu Gly Leu Gln Lys Leu Lys Glu
 1 5 10 15

Ser Gly Lys Gln His Gly Phe Ala Ser Phe Ser Asp Tyr Tyr Tyr Lys
 20 25 30

<210> 178

<211> 28

<212> PRT

<213> Homo sapiens

<400> 178

Tyr Lys Leu Phe Leu Ser Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser
 1 5 10 15

Glu Tyr Pro Pro Phe Ser His Arg Tyr Gln Arg Phe
 20 25

<210> 179

<211> 26

<212> PRT

<213> Homo sapiens

<400> 179

Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly Gly Ile

1

5

10

15

Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala
20 25

<210> 180

<211> 25

<212> PRT

<213> Homo sapiens

<400> 180

Asn Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val
1 5 10 15

Cys Ser Asn Ser Asp Thr Lys Thr Arg
20 25

<210> 181

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 181

Thr Glu Ser Gln Met Lys Cys Phe Leu Gly Asn Ser His Asp Thr Ala
1 5 10 15

Pro Arg His Thr Cys Ser Gly Gln Gly Leu His Gly Gly Xaa Xaa Xaa
20 25 30

Thr Ala Pro Leu Arg Ala Leu Gln Gln His Ser Gln Asp Gly Lys Leu
35 40 45

Cys Thr Asn Ser Leu Pro Ala Ala Arg Gly Gly Pro His Lys His Val
50 55 60

Val Val Thr Val Val Tyr Ser Val Lys His Trp Lys Pro Thr Glu Arg
65 70 75 80

Ser Ser Val Ser Ile Lys Lys Glu Glu Glu Thr Asp Trp Asp Met Asp
85 90 95

Gln Leu Ser Lys Gln Arg Thr Thr Tyr Glu Met Lys Ser Gly Ser Ser
 100 105 110

Gly Val Gln Thr Glu Glu Leu Arg His Pro Ser Leu
 115 120

<210> 182
 <211> 77
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 182
 Asn Ala Ser Trp Glu Ile His Met Thr Gln Arg His Val Ile Pro Xaa
 1 5 10 15

Leu Ala Arg Ala Ser Met Xaa Val Xaa Xaa Xaa Gln Arg Pro Ser Glu
 20 25 30

Leu Cys Ser Ser Ile Arg Arg Met Ala Asn Ser Ala Gln Ile Val Phe
 35 40 45

Pro Leu Pro Val Gly Ala Pro Thr Asn Thr Leu Ser Ser Leu Leu Tyr
 50 55 60

Thr Val Leu Asn Thr Gly Asn Gln Gln Lys Glu Ala Val
 65 70 75

<210> 183
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 183

Ala Pro Leu Arg Ala Leu Gln Gln His Ser Gln Asp Gly Lys Leu Cys
 1 5 10 15

Thr Asn Ser Leu Pro Ala Ala Arg Gly Gly Pro His Lys His
 20 25 30

<210> 184

<211> 27

<212> PRT

<213> Homo sapiens

<400> 184

Arg Ser Ser Val Ser Ile Lys Lys Glu Glu Glu Thr Asp Trp Asp Met
 1 5 10 15

Asp Gln Leu Ser Lys Gln Arg Thr Thr Tyr Glu
 20 25

<210> 185

<211> 29

<212> PRT

<213> Homo sapiens

<400> 185

Leu Cys Ser Ser Ile Arg Arg Met Ala Asn Ser Ala Gln Ile Val Phe
 1 5 10 15

Pro Leu Pro Val Gly Ala Pro Thr Asn Thr Leu Ser Ser
 20 25

<210> 186

<211> 17

<212> PRT

<213> Homo sapiens

<400> 186

Leu Ser Ile Ile Phe Leu Ala Phe Val Ser Ile Asp Arg Cys Leu Gln
 1 5 10 15

Leu

<210> 187

<211> 67

<212> PRT

<213> Homo sapiens

<400> 187

Gly Ser Cys Phe Ala Thr Trp Ala Phe Ile Gln Lys Asn Thr Asn His
 1 5 10 15

Arg Cys Val Ser Ile Tyr Leu Ile Asn Leu Leu Thr Ala Asp Phe Leu

Pro Trp Lys Leu Lys Ile Phe His Cys Gln Val Thr Ala Cys Leu Ile
50 55 60

Tyr Ile Asn
65

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<210> 188
<211> 31
<212> PRT
<213> Homo sapiens
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<400> 188
Lys Asn Thr Asn His Arg Cys Val Ser Ile Tyr Leu Ile Asn Leu Leu
1 5 10 15

Thr Ala Asp Phe Leu Leu Thr Leu Ala Leu Pro Val Lys Ile Val
20 25 30

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<210> 189
<211> 17
<212> PRT
<213> Homo sapiens
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<400> 189
Lys His Thr Val Glu Thr Arg Ser Val Ala Phe Arg Lys Gln Leu Asn
1 5 10 15

Arg

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<210> 190
<211> 30
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 190
Pro Gln Val Leu His Leu Arg Trp Leu Pro Lys Val Leu Gly Tyr Arg
1 5 10 15

Ser Xaa Pro Leu Arg Leu Ala Asp Pro Ser Thr Phe Xaa Met

20

25

30

<210> 191
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 191
 Gln Leu Leu Gly Phe Glu Gly Asn Asp Ser Ala Gly Glu Arg Arg Trp
 1 5 10 15
 Arg Gly Ala Asn Met Gln Ile Pro Leu Leu Gln Val Ala Leu Pro Leu
 20 25 30
 Ser Thr Glu Glu Gly Thr Gly Pro Ser Gly Pro Thr Gln Pro Ser Pro
 35 40 45
 Gln Gly Glu Val Arg Phe Leu Arg Ser Pro Arg Met Gly Gly Gln Val
 50 55 60
 Pro His Trp Glu Trp Arg Ser His Ser Leu Pro Trp Val Leu Thr Ser
 65 70 75 80
 Thr Leu Ser Gly Cys Glu Gly Asp Leu Pro Gly Phe Pro His Gln Val
 85 90 95
 Gln Leu Pro Ala Ala Glu Ser His Thr Leu Asn Thr Gly Leu Leu Arg
 100 105 110
 Ser Asp Thr Gly Gln Phe Thr Pro Cys Leu Lys Leu Ala Phe Glu Arg
 115 120 125
 Pro Ser Gly
 130

<210> 192
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 192
 Asn Asp Ser Ala Gly Glu Arg Arg Trp Arg Gly Ala Asn Met Gln Ile
 1 5 10 15
 Pro Leu Leu Gln Val Ala Leu Pro
 20

<210> 193
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 193
 Pro Ser Pro Gln Gly Glu Val Arg Phe Leu Arg Ser Pro Arg Met Gly
 1 5 10 15

Gly Gln Val Pro His Trp Glu Trp Arg Ser His Ser Leu
 20 25

<210> 194
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 194
 His Gln Val Gln Leu Pro Ala Ala Glu Ser His Thr Leu Asn Thr Gly
 1 5 10 15

Leu Leu Arg Ser Asp Thr Gly Gln Phe Thr Pro
 20 25

<210> 195
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 195
 Ala Pro Leu Glu Thr Met Gln Asn Lys Pro Arg Ala Pro Gln Lys Arg
 1 5 10 15

Ala Leu Pro Phe Pro Glu Leu Glu Leu Arg Asp Tyr Ala Ser Val Leu
 20 25 30

Thr Arg Tyr Ser Leu Gly Leu Arg Asn Lys Glu Pro Ser Leu Gly His
 35 40 45

Arg Trp Gly Thr Gln Lys Leu Gly Arg Ser Pro Cys
 50 55 60

<210> 196
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 196

Met Gln Asn Lys Pro Arg Ala Pro Gln Lys Arg Ala Leu Pro Phe Pro
 1 5 10 15

Glu Leu Glu Leu Arg Asp Tyr Ala Ser Val Leu Thr Arg Tyr Ser Leu
 20 25 30

Gly Leu Arg Asn Lys Glu Pro Ser Leu Gly His Arg Trp Gly Thr Gln
 35 40 45

Lys Leu Gly Arg Ser Pro Cys Ser Glu Gly Ser Gln Gly His Thr Thr
 50 55 60

Asp Ala Ala Asp Val Gln Asn His Ser Lys Glu Glu Gln Arg Asp Ala
 65 70 75 80

Gly Ala Gln Arg Xaa Cys Gly Gln Gly Arg His Thr Trp Ala Tyr Arg
 85 90 95

Xaa Gly Ala Gln Asp Thr Ser Arg Leu Thr Gly Asp Pro Arg Gly Gly
 100 105 110

Glu Arg Ser Pro Pro Lys Cys Gln Ser Met Lys Gln Gln Glu Gly Ala
 115 120 125

Pro Ser Gly His Cys Trp Asp Gln Trp Cys His Gly Ala Ser Glu Val
 130 135 140

Val Trp Pro Glu Ser Arg Lys Arg Ala Gln Ile Phe Xaa Ser Pro Cys
 145 150 155 160

Arg Gln Ser Pro Arg Ser Ser Ala Leu Gly Ala Gly Gln Lys Leu Ala
 165 170 175

Val Cys Ser Pro Asp Ile Leu Cys Cys Pro Thr Asp Thr Leu Leu Ala
 180 185 190

Ser His Pro His Ser Leu Leu Thr Gly Thr Gln Phe Ser Gly Gln Thr
 195 200 205

Gln Ala Leu Ala Pro Ser Trp Cys Ala
 210 215

<210> 197

<211> 26

<212> PRT

<213> Homo sapiens

<400> 197

Ala Pro Gln Lys Arg Ala Leu Pro Phe Pro Glu Leu Glu Leu Arg Asp
 1 5 10 15

Tyr Ala Ser Val Leu Thr Arg Tyr Ser Leu
 20 25

<210> 198

<211> 27

<212> PRT
 <213> Homo sapiens

<400> 198
 Ala Pro Gln Lys Arg Ala Leu Pro Phe Pro Glu Leu Glu Leu Arg Asp
 1 5 10 15

Tyr Ala Ser Val Leu Thr Arg Tyr Ser Leu Gly
 20 25

<210> 199
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 199
 Leu Gly Arg Ser Pro Cys Ser Glu Gly Ser Gln Gly His Thr Thr Asp
 1 5 10 15

Ala Ala Asp Val Gln Asn His Ser Lys Glu Glu Gln Arg
 20 25

<210> 200
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 200
 Thr Asp Thr Leu Leu Ala Ser His Pro His Ser Leu Leu Thr Gly Thr
 1 5 10 15

Gln Phe Ser Gly Gln Thr Gln Ala Leu
 20 25

<210> 201
 <211> 77
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 201

Ile Ala Gln Val Leu Lys Ala Glu Met Cys Leu Val Xaa Arg Pro His
 1 5 10 15

Pro Xaa Leu Leu Asp Ser His Arg Gly Trp Ala Gly Glu Thr Leu Arg
 20 25 30

Gly Gln Gly Arg Gln Glu Xaa Glu Ser Asp Thr Lys Ala Gly Thr Leu
 35 40 45

Gln Leu Gln Arg Gln Ala Pro Leu Pro Leu Thr Gln His Ser Leu Val
 50 55 60

Leu Pro Ile Ser Pro Gly Pro Ser Asn His Thr Gln Ser
 65 70 75

<210> 202

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 202

Arg Gly Trp Ala Gly Glu Thr Leu Arg Gly Gln Gly Arg Gln Glu Xaa
 1 5 10 15

Glu Ser Asp Thr
 20

<210> 203

<211> 20

<212> PRT

<213> Homo sapiens

<400> 203

Ala Pro Leu Pro Leu Thr Gln His Ser Leu Val Leu Pro Ile Ser Pro
 1 5 10 15

Gly Pro Ser Asn
 20

<210> 204

<211> 166

<212> PRT

<213> Homo sapiens

<400> 204

Asn Arg Glu Arg Gly Gly Ala Gly Ala Thr Phe Glu Cys Asn Ile Cys
 1 5 10 15

Leu Glu Thr Ala Arg Glu Ala Val Val Ser Val Cys Gly His Leu Tyr
 20 25 30

Cys Trp Pro Cys Leu His Gln Trp Leu Glu Thr Arg Pro Glu Arg Gln
 35 40 45

Glu Cys Pro Val Cys Lys Ala Gly Ile Ser Arg Glu Lys Val Val Pro
 50 55 60

Leu Tyr Gly Arg Gly Ser Gln Lys Pro Gln Asp Pro Arg Leu Lys Thr
 65 70 75 80

Pro Pro Arg Pro Gln Gly Gln Arg Pro Ala Pro Glu Ser Arg Gly Gly
 85 90 95

Phe Gln Pro Phe Gly Asp Thr Gly Gly Phe His Phe Ser Phe Gly Val
 100 105 110

Gly Ala Phe Pro Phe Gly Phe Phe Thr Thr Val Phe Asn Ala His Glu
 115 120 125

Pro Phe Arg Arg Gly Thr Gly Val Asp Leu Gly Gln Gly His Pro Ala
 130 135 140

Ser Ser Trp Gln Asp Ser Leu Phe Leu Phe Leu Ala Ile Phe Phe Phe
 145 150 155 160

Phe Trp Leu Leu Ser Ile
 165

<210> 205

<211> 149

<212> PRT

<213> Homo sapiens

<400> 205

Asn Arg Glu Arg Gly Gly Ala Gly Ala Thr Phe Glu Cys Asn Ile Cys
 1 5 10 15

Leu Glu Thr Ala Arg Glu Ala Val Val Ser Val Cys Gly His Leu Tyr
 20 25 30

Cys Trp Pro Cys Leu His Gln Trp Leu Glu Thr Arg Pro Glu Arg Gln
 35 40 45

Glu Cys Pro Val Cys Lys Ala Gly Ile Ser Arg Glu Lys Val Val Pro
 50 55 60

Leu Tyr Gly Arg Gly Ser Gln Lys Pro Gln Asp Pro Arg Leu Lys Thr
 65 70 75 80

Pro Pro Arg Pro Gln Gly Gln Arg Pro Ala Pro Glu Ser Arg Gly Gly
 85 90 95

Phe Gln Pro Phe Gly Asp Thr Gly Gly Phe His Phe Ser Phe Gly Val
 100 105 110

Gly Ala Phe Pro Phe Gly Phe Phe Thr Thr Val Phe Asn Ala His Glu
 115 120 125

Pro Phe Arg Arg Gly Thr Gly Val Asp Leu Gly Gln Gly His Pro Ala
 130 135 140

Ser Ser Trp Gln Asp
 145

<210> 206
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 206
 Asn Arg Glu Arg Gly Gly Ala Gly Ala Thr Phe Glu Cys Asn Ile Cys
 1 5 10 15

Leu Glu Thr Ala Arg Glu Ala Val Val Ser Val Cys Gly His Leu Tyr
 20 25 30

Cys Trp Pro Cys Leu His Gln Trp Leu
 35 40

<210> 207
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 207
 Glu Thr Arg Pro Glu Arg Gln Glu Cys Pro Val Cys Lys Ala Gly Ile
 1 5 10 15

Ser Arg Glu Lys Val Val Pro Leu Tyr Gly Arg Gly Ser Gln Lys Pro
 20 25 30

Gln Asp Pro Arg Leu Lys
 35

<210> 208
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 208
 Thr Pro Pro Arg Pro Gln Gly Gln Arg Pro Ala Pro Glu Ser Arg Gly
 1 5 10 15

Gly Phe Gln Pro Phe Gly Asp Thr Gly Gly Phe His Phe Ser Phe Gly
 20 25 30

Val Gly

<210> 209
 <211> 36

240

Ile Lys Asn Leu Ile Phe Phe Met Pro Ser Val Val Leu Lys His Ile
 1 5 10 15

His His Ile Ser Val Ala Lys Asp Gly Glu Glu Leu Lys Leu Lys Arg
 20 25 30

Cys Leu Leu Asn Phe Val Ala Ser Val Arg Ala Phe His His Gln Phe
 35 40 45

Leu Glu Ser Thr His Gly Ser Pro Ser Val Asp Ile Ser Leu Asp Leu
 50 55 60

Ala Lys Ser Thr Met Arg Thr Ala Lys Ser Cys His Ile Val Ile Thr
 65 70 75 80

Asn Arg Ser Arg Asp Ala Ile Ser Gly Pro Val Glu Ser Pro His Cys
 85 90 95

Asp Ala Cys Ser Thr Gln Thr Ala Phe Ile His Ile Ser Cys Asn Leu
 100 105 110

Thr Pro Lys Ala Arg Glu Thr Lys Cys Ala Thr Glu Thr Ile Ser Lys
 115 120 125

Gln Gly Ser Glu Gln Glu Met Ser Cys Gly Leu Gly Arg Thr Arg Gly
 130 135 140

Ser Thr
 145

<210> 213

<211> 23

<212> PRT

<213> Homo sapiens

<400> 213

Phe Leu Leu Gly Thr Leu Phe Thr Asn Cys Leu Cys Gly Thr Phe Cys
 1 5 10 15

Phe Pro Cys Leu Gly Cys Gln
 20

<210> 214

<211> 24

<212> PRT

<213> Homo sapiens

<400> 214

Ser Ile Cys Asp Asp Tyr Met Ala Thr Leu Cys Cys Pro His Cys Thr
 1 5 10 15

Leu Cys Gln Ile Lys Arg Asp Ile
 20

<210> 215

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 215
 Ser Val Val Leu Lys His Ile His His Ile Ser Val Ala Lys Asp Gly
 1 5 10 15
 Glu Glu Leu Lys Leu Lys Arg Cys Leu Leu Asn Phe Val Ala
 20 25 30

<210> 216
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 216
 Asn Phe Val Ala Ser Val Arg Ala Phe His His Gln Phe Leu Glu Ser
 1 5 10 15
 Thr His Gly Ser Pro Ser Val Asp Ile Ser
 20 25

<210> 217
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 217
 Thr Ala Phe Ile His Ile Ser Cys Asn Leu Thr Pro Lys Ala Arg Glu
 1 5 10 15
 Thr Lys Cys Ala Thr Glu Thr Ile Ser Lys Gln Gly
 20 25

<210> 218
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Lys Gly Glu Ile Glu
 1 5

<210> 219
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 219
 Glu Phe Gly Thr Ser Arg Gly Arg Gln His Arg Ala Leu Glu
 1 5 10

<210> 220
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 220
 His Gln Thr Pro Gly Val Thr Gly Leu Ser Ala Val Glu Met Asp Gln
 1 5 10 15
 Ile Thr Pro Ala Leu Trp Glu Ala Leu Ala Ile Asp Thr Leu Arg Lys
 20 25 30
 Leu Arg Ile Gly Thr Arg Arg Pro Arg Ile Arg Trp Gly Gln Glu Ala
 35 40 45
 His Val Pro Ala Gly Ala Ala Gln Glu Gly Pro Leu His Leu Leu Leu
 50 55 60
 Gln Arg Pro Ala Pro Trp Gly Xaa Ala Pro His Gly Lys Ala Cys Gly
 65 70 75 80

<210> 221
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 221
 Gly Leu Gly Gln Gly Gly Gln Gly Leu Asp Gly Gly Arg Lys Leu Met
 1 5 10 15
 Tyr Leu Gln Glu Leu Pro Arg Arg Asp His Tyr Ile Phe Tyr Cys Lys
 20 25 30
 Asp Gln His His Gly Gly Xaa Leu His Met Gly Lys Leu Val Gly Arg
 35 40 45
 Asn Ser Asp Thr Asn Arg Glu Ala Leu Glu Glu Phe Lys Lys Leu Val
 50 55 60
 Gln Arg Lys Gly Leu Ser Glu Glu Asp Ile Phe Thr Pro Leu Gln Thr
 65 70 75 80
 Gly Ser Cys Val Pro Glu His
 85

<210> 222
 <211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (152)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 222
 Ser Gly Pro Ser Arg Leu Arg Thr Ser Leu Ser His Pro Val Ser Asp
 1 5 10 15
 Val Arg Ala Thr Ser Pro Pro Gly Arg Arg Gly Gln Pro Leu Leu Gly
 20 25 30
 Gly Gly Gln Ser Trp Gly Pro Gly Lys Arg Ala Ala Trp Ala Leu Ser
 35 40 45
 Thr Cys Gly Gly Trp Cys Thr Gly Val Gly Gly Gly Gly Xaa Trp Gly
 50 55 60
 Trp Glu Trp Gly Arg Gly Ser Gln Ala Leu Tyr Leu Pro Gly Ser Ser
 65 70 75 80
 Val Phe Arg Xaa Arg Ile Phe Phe Trp Met His Arg Ser Ser Leu Met
 85 90 95
 Lys Val Asn Val Ala Ser Asn Phe Pro Pro Pro Arg Ala Val Thr Phe
 100 105 110
 Thr Gly Asp Thr Phe Trp Ala Ser Cys Leu Arg Lys Val Leu Ser Thr
 115 120 125
 Thr Met Ala Phe Thr Tyr Gln Val Pro Val Ile Ser Ser Ser Xaa Arg
 130 135 140
 Val Lys Asp Arg Ala Ala Ala Xaa Pro Ser Val Thr Pro Arg Asn Arg
 145 150 155 160

Val Phe Ile Ser Arg Ala Leu Cys Cys Arg Pro Arg Leu Val Pro Asn
 165 170 175

<210> 223
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 223
 Gly Leu Pro Glu Gly Arg Arg Asp Leu Val His Leu Asp Cys Gly Gln
 1 5 10 15

Ala Cys His Thr Arg Cys Leu Met Ser Gly Pro Pro Ala Pro Gln Glu
 20 25 30

Gly Glu Ala Ser Pro Ser Leu Glu Val Gly Arg Ala Gly Ala Leu Ala
 35 40 45

Lys Gly Gln Pro Gly His Ser Leu Pro Val Glu Ala Gly Ala Leu Gly
 50 55 60

Leu Ala Val Gly Glu Gly Gly Gly Gly Xaa Gly Gly Gly Ala His Arg
 65 70 75 80

Arg Cys Ile Cys Gln Ala Pro Pro Ser Ser Ala Xaa Gly Phe Ser Ser
 85 90 95

Gly Cys Thr Asp Pro Pro Ser
 100

<210> 224
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 224
 Val Glu Met Asp Gln Ile Thr Pro Ala Leu Trp Glu Ala Leu Ala Ile
 1 5 10 15

Asp Thr Leu Arg Lys Leu Arg Ile Gly Thr Arg Arg Pro Arg
 20 25 30

<210> 225
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 225
 Arg Lys Leu Met Tyr Leu Gln Glu Leu Pro Arg Arg Asp His Tyr Ile
 1 5 10 15

Phe Tyr Cys Lys Asp Gln His
 20

<210> 226
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 226
 Glu Ala Leu Glu Glu Phe Lys Lys Leu Val Gln Arg Lys Gly Leu Ser
 1 5 10 15

Glu Glu Asp Ile Phe Thr Pro
 20

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 1 5 10 15

Gly Gln Ser Trp Gly Pro Gly Lys Arg Ala Ala
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<210> 228
 <211> 29
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<400> 228
 Phe Phe Trp Met His Arg Ser Ser Leu Met Lys Val Asn Val Ala Ser
 1 5 10 15

Asn Phe Pro Pro Pro Arg Ala Val Thr Phe Thr Gly Asp
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<210> 229
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 <212> PRT
 <213> Homo sapiens

<400> 229

Cys Leu Met Ser Gly Pro Pro Ala Pro Gln Glu Gly Glu Ala Ser Pro
1 5 10 15

Ser Leu Glu Val Gly Arg Ala Gly Ala Leu Ala Lys
20 25

[illegible]